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OM nucleic - nucleic search, using sw model

Run on: July 15, 2003, 06:15:48 ; Search time 79 seconds
(without alignments)
5822.976 Million cell updates/sec

Title: US-09-043-944-5
Perfect score: 1500
Sequence: 1 gtttaattaccgaatttga.....taaaaaaaaaaaaaaa 1500

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 75 summaries

Database : Issued Patents_NA:
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	631	42.1	4137	4	US-08-832-867-1
2	248.2	16.5	1488	2	US-08-875-972-3
3	248.2	16.5	1750	3	US-08-670-964-3
4	248.2	16.5	1762	3	US-08-670-964-1
5	248.2	16.5	2764	3	US-08-923-454A-9
6	248.2	16.5	2764	4	US-08-832-867-2
7	248.2	16.5	2765	3	US-08-888-077A-1
8	248.2	16.5	2765	4	US-08-706-344C-1
9	248.2	16.5	2765	4	US-08-706-344C-27
10	248.2	16.5	2791	2	US-08-967-101-133
11	248.2	16.5	2791	2	US-08-592-541-133
12	248.2	16.5	2791	3	US-09-124-698-133
13	248.2	16.5	2791	4	US-09-127-480-133
14	248.2	16.5	2791	4	US-09-124-523-133
15	248.2	16.5	2792	4	US-08-496-841C-133
16	246.6	16.4	1914	2	US-08-670-964-24
17	246.6	16.4	2765	4	US-08-706-344C-29
18	246.6	16.4	2765	4	US-08-706-344C-31
19	246.6	16.4	2791	2	US-08-967-101-1
20	246.6	16.4	2791	2	US-08-592-541-1
21	246.6	16.4	2791	3	US-09-124-698-1
22	246.6	16.4	2791	4	US-09-127-480-1
23	246.6	16.4	2791	4	US-08-496-841C-1
24	246.6	16.4	2791	4	US-09-124-523-1
25	246.6	16.4	3086	3	US-08-888-077A-3
26	246.6	16.4	3087	2	US-08-967-101-5
27	246.6	16.4	3087	2	US-08-592-541-5

28	246.6	16.4	3087	3	US-09-124-698-5
29	246.6	16.4	3087	4	US-09-127-480-5
30	246.6	16.4	3087	4	US-08-496-841C-5
31	246.6	16.4	3087	4	US-09-124-523-5
32	245	16.3	2765	4	US-08-706-344C-3
33	243.2	16.2	1962	2	US-08-967-101-135
34	243.2	16.2	1962	2	US-08-592-541-135
35	243.2	16.2	1962	3	US-09-124-698-135
36	243.2	16.2	1962	4	US-09-127-480-135
37	243.2	16.2	1962	4	US-09-124-523-135
38	243.2	16.2	1964	3	US-08-888-077A-16
39	243.2	16.2	1964	4	US-08-496-841C-135
40	233.6	15.6	1929	2	US-08-967-101-3
41	233.6	15.6	1929	2	US-08-592-541-3
42	233.6	15.6	1929	3	US-09-124-698-3
43	233.6	15.6	1929	4	US-09-127-480-3
44	233.6	15.6	1929	4	US-08-496-841C-3
45	233.6	15.6	1929	4	US-09-124-523-3
46	226.2	15.1	1895	2	US-08-967-101-165
47	226.2	15.1	1895	2	US-08-592-541-165
48	226.2	15.1	1895	3	US-08-888-077A-20
49	226.2	15.1	1895	3	US-09-124-698-165
50	226.2	15.1	1895	4	US-09-127-480-165
51	226.2	15.1	1895	4	US-09-124-523-165
52	225.8	15.1	2236	4	US-09-375-318-1
53	225.8	15.1	2276	2	US-08-875-972-28
54	224.2	14.9	2229	3	US-08-888-077A-18
55	224.2	14.9	2285	2	US-08-967-101-136
56	224.2	14.9	2285	2	US-08-592-541-136
57	224.2	14.9	2285	3	US-09-124-698-136
58	224.2	14.9	2285	4	US-09-127-480-136
59	224.2	14.9	2285	4	US-09-124-523-136
60	224.2	14.9	2296	4	US-08-496-841C-137
61	192.8	12.9	1417	2	US-08-875-972-1
62	97.6	6.5	945	3	US-08-888-077A-10
63	97.4	6.5	945	2	US-08-967-101-6
64	97.4	6.5	945	2	US-08-592-541-6
65	97.4	6.5	945	2	US-08-967-101-160
66	97.4	6.5	945	2	US-08-592-541-160
67	97.4	6.5	945	3	US-09-124-698-6
68	97.4	6.5	945	3	US-09-124-698-160
69	97.4	6.5	945	4	US-09-127-480-6
70	97.4	6.5	945	4	US-09-127-480-160
71	97.4	6.5	945	4	US-08-496-841C-6
72	97.4	6.5	945	4	US-08-496-841C-160
73	97.4	6.5	945	4	US-09-124-523-6
74	97.4	6.5	945	4	US-09-124-523-160
75	96.4	6.4	489	2	US-08-967-101-74

ALIGNMENTS

RESULT 1

US-08-832-867-1
; Sequence 1, Application US/08832867C
; Patent No. 6376239

GENERAL INFORMATION:

; APPLICANT: BAUMEISTER, Ralf
; TITLE OF INVENTION: DNA MOLECULES COMPRISING A PROMOTER CAPABLE OF
; TITLE OF INVENTION: CONFERRING EXPRESSION OF A HETEROLOGOUS DNA SEQUENCE IN
; TITLE OF INVENTION: ALL NEURAL CELLS AT ALL STAGES OF DEVELOPMENT IN C.
; TITLE OF INVENTION: ELEGANS AND USES THEREOF
; FILE REFERENCE: 674503-2004
; CURRENT APPLICATION NUMBER: US/08/832,867C
; CURRENT FILING DATE: 1997-04-04

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 4137

; TYPE: DNA

; ORGANISM: Caenorhabditis elegans

US-08-832-867-1

Db 964 CGAAGTCACTCTGATGCTGGTTGAACACCTCAGGAGAAATGAACCGCTTTTC 1023
QY 779 CGCGCTGATTTATCTGCTGGAGTCACTATCCCTACGTTCTTGTACTGCAAGTTGAA 838
Db 1024 CAGCTCTCATTTACTCTCAACAAT-----GGTGGTGGTGGATATGGCA 1070
QY 839 ACAGGACAGACCCCGTGAACCGAGCTGTGACAGCTCAATATCTTCTACAGCTTTTCCTG 898
Db 1071 GAAGGAGA-----CCCGGAAGCTCAAGAGAGAGTATCCAAAATCCAAATGATGAG 1125
QY 899 GAGAGCGAGTGTCTCATCTGAACGCCCAAAACGCCCAAGTGAACGAATTCCTCAA 958
Db 1126 AAGCACAGAAAGGAGTCT--ACAAGACACTGTTCGAGAGATGATGAGCGGGTTTCAG 1183
QY 959 AAGTCAAAATCGAATCACTACAGCTTCAACGACACACAAAACCTCTGGAGTAAGGGTGG 1018
Db 1184 TGAGGAATGGGAAGCCAGAGGACAGTCACTAGGCGCTCATCGCTACACCTGAGTC 1243
QY 1019 AACGGAGCTAGTGTGAGACCACTGTACAGACCGCAATTTTCACAGGACGAGAG 1078
Db 1244 ACAGCTGTGTCTCAGGAATTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC 1293
QY 1079 AGAAGAGAGAGTGTGAACCTTGTGCTGGCGACTTCAATTTCTACTCTGTCTCTCTCG 1138
Db 1294 CAGAGAAAGGGAGTAAACCTTGGATGGGAGATTTCAATTTCTACAGTGTCTGGTGG 1353
QY 1139 GCAAGGCTT-----CATGCTACTTTGACTGGAACACGACTATCGCTTGTATGTGCCA 1192
Db 1354 GTAAAGCCTCAGCAACAGCAGGAGACTGGAACACACCAATAGCTGTTCGTAGCCA 1413
QY 1193 TTCTTATCGCTCTCTCTTCACTCTGTCTGCTCGCGCTTCTTCAACAGCACTCCCGG 1252
Db 1414 TATTAATGTGTGTGCTCTTACATTTATCTCTGCTGCTTCCATTTTCAAGAAAGCATGCCAG 1473
QY 1253 CTCTG-CAATTTCTCAATTTCTCGGACTCATTTTCTACTTTTGTACCTCCCGTGGATCA 1311
Db 1474 CTCTTCCATCTCCATCACCCTTTGGCTTGTCTTCTACTTTGACACAGATATCTGTGAC 1533
QY 1312 CCCCATTGTTACAAAGT 1330
Db 1534 AGCCTTTTATGGACCAAT 1552

RESULT 5

US-08-923-454A-9
; Sequence 9, Application US/08923454A
; Patent No. 6004794

GENERAL INFORMATION:

; APPLICANT: Creasy, Caretha
; APPLICANT: Livi, George
; APPLICANT: Karrian, Eric
; APPLICANT: Clinkenbeard, Helen
; APPLICANT: Browne, Michael
; APPLICANT: Southan, Christopher
; TITLE OF INVENTION: HUMAN SERINE PROTEASE
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406

COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/923,454A
; FILING DATE:
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/025436
; FILING DATE: 06-SEPT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Baumeister, Kirk
; REGISTRATION NUMBER: 33,833
; REFERENCE/DOCKET NUMBER: P50547
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5096
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2764 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
; US-08-923-454A-9

Query Match 16.5%; Score 248.2; DB 3; Length 2764;
Best Local Similarity 54.6%; Pred. No. 2e-53;
Matches 666; Conservative 0; Mismatches 513; Indels 40; Gaps 7;

QY 119 AAGACCAAAATGTTGGGAAGCGGAGCTGAAATACGAGCATCTCAGTTATTCATC 178
Db 442 AGATGAGGAAGAAGATGAGGAGCTGACATTTGAATATGCGCAAGCATGTGATCATGC 501
QY 179 TATTTGTGCGGTGTCTCACTATGATGGCTCTGTGTTCTTTTACGATGAACACCATTCAGT 238
Db 502 TCTTTGCTCCCTGTGACTCTCTGCATGCTGTGTGCTGTGGCTACCATTAAGTCAGTCACT 561
QY 239 TTTATAGTCAAAACAAATGGAAGCAATTTACTATACATCCTTTTGTCCGGGAAACAGACA 298
Db 562 TTATATACCCGGAAGGATG---GGCAGCTAATCTATACCCCATTTACACAGAATACCCGAGA 618
QY 299 GTATCGTTGAGAGGAGTGTGATGTCACCTTGGAAATGCTCTCGTCATGTTGTGCGTGGTCG 358
Db 619 CTGTGGCCAGAGAGCCCTGSCACTCAATTTCTGAATGCTGCCATCATGATCATGTCATTTG 678
QY 359 TTCTGATGACAGTTCTGCTGATTTCTTCTATAAATACAAGTTTATAAGCTTATTCATG 418
Db 679 TTGTCATGACTATCCTCTGCTGTGTTCTGTATAAATACAGGTCCTATAAGGTCATCCATG 738
QY 419 GATGGCTTATGTGACAGCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 478
Db 739 CCTGGCTTATATATCATCTCTATTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 798
QY 479 AAGTTCTGAAAAGTTTCGATGTCTCCAGCGCAGTATTTGTTTGTGTTGTTGTTGTTGTTGTTG 538
Db 799 AAGTGTATAAACCCTATAACGTTGCTGGGACTACATTTCTGTGACCTCTCTGATCTGGA 858
QY 539 ACTATGGAGTCTCTCGGAATGATGTATACATTGGAAGGTCATTTGCGCTGCAACACT 598
Db 859 ATTTTGGTGTGGGATGATTTCCATCTACTGGAAGGTCACCTCCAGCTCCAGCAG 918
QY 599 TCTACCTTATTAACAATGTGCACTAATGGCTCTGTGCTTTTATCAAGTACCTACCAAT 658
Db 919 CATATCTCATTTATGATTTAGTGGCTTATGCTGCTGTTTATCAAGTACCTCCCTGAAT 978
QY 659 GGACTGTGTGGTGTGTGCTGTTTATCTCGGTTTGGGATCTGTTGCGCTGCTGCACAC 718
Db 979 GGACTGCGTGGCTCATCTTGGCTGTGATTTAGTATATGATTTAGTGTGCTGTTTGTGTC 1038
QY 719 CAAAAGGACCATTTGAGATATTTGGTGAACATGTCACAGGAGAGAACAGGCAATTTCC 778
Db 1039 CGAAAGGTCACCTTCGTATGCTGTTGGAACAGCTCAGGAGAGAAATGAACGCTTTTTC 1098
QY 779 CGCGCTGATTTATTCGTCTGGAGTCACTATCCCTACGCTTCTTGTGTTGTTGTTGTTGTTGTTG 838

Db 1099 CAGCTCTCAATTTACTCTCAACAAT-----GGTGTGGTGGTGAATATGCA 1145
Qy 839 ACACGACAGACCCCGTGAACCGAGCTGCTCAGACTCAATATCTCTACAGCTTTTCCTG 898
Db 1146 GAAGGAGA-----CCCGGAAGCTCAAGAGAGATATCCAAAATTTCCAAATATATGAG 1200
Qy 899 GAGAGGCGAGTTGTTATCTGAAACGCGCAAAACGCGCAAAAGTGAACGAATTCCTCAAA 958
Db 1201 AAAGCACAGAAAGGAGTGC--ACAAGACACTGTTGAGAGAGATGATGATGGCGGTTGAG 1258
Qy 959 AAGTGCAGAAATCGAATCAATACAGCTTCAACGACACAAACACTCTGGAAGAGTGG 1018
Db 1259 TGAGGAATGGGAAGCCAGAGGAGACAGTCACTAGGCGCTCATCGCTCTACACCTGAGTC 1318
Qy 1019 AACGGGAGTACGTGCTGAGAGACCACTGTACAGAGCGCAATTTTCACAGGACCAAG 1078
Db 1319 ACGAGCTGCTGTCAGGAACCTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC 1368
Qy 1079 AGGAAGAGAGAGTGTGAACACTTGGTCTGGCGCACTTCATTTTCTACTCTGTCTCTCG 1138
Db 1369 CAGAGGAAGGGAGTAAACTTGGATTGGAGATTTCAATTTCTACAGTGTCTGGTTG 1428
Qy 1139 GCAGGCTT-----CATCTACTTTGACTGGAACGAGTATCGCTTGTATGTGGCCA 1192
Db 1429 GTAAGCCTCAGCAACAGCAGCTGGAGACTGGAACCAACATAGCTGTTTCTGAGCCA 1488
Qy 1193 TTCTTATCGTCTGCTGCTCAGTCTTGCATCTTGTCTGCTCGCGCTCAACAGAGCACTCCCG 1252
Db 1489 TATTAATGTTGTGCTTACATTTACTCTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1548
Qy 1253 CTCTG-CAATTTCCATTTTCTCGGACTCAATTTTACTTTTGTACCCGCTGGATCATCA 1311
Db 1549 CTCTGCAATCTCCATCACTTTGGGCTTGTCTTCTTCTTCTTCTGCGCAGATATCTGTAC 1608
Qy 1312 CCCATTTGTTACACAAGT 1330
Db 1609 AGCCTTTTATGGACCAAT 1627

RESULT 6

US-08-832-867-2
; Sequence 2, Application US/08832867C
; Patent No. 6376239
; GENERAL INFORMATION:
; APPLICANT: BAUMEISTER, Ralf
; TITLE OF INVENTION: DNA MOLECULES COMPRISING A PROMOTER CAPABLE OF
; TITLE OF INVENTION: CONFERRING EXPRESSION OF A HETEROLOGOUS DNA SEQUENCE IN
; TITLE OF INVENTION: ALL NEURAL CELLS AT ALL STAGES OF DEVELOPMENT IN C.
; TITLE OF INVENTION: ELEGANS AND USES THEREOF
; FILE REFERENCE: 674503-2004
; CURRENT APPLICATION NUMBER: US/08/832,867C
; CURRENT FILING DATE: 1997-04-04
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 2764
; TYPE: DNA
; ORGANISM: Caenorhabditis elegans
US-08-832-867-2

Query Match 16.5%; Score 248.2; DB 4; Length 2764;
Best Local Similarity 54.6%; Pred. No. 2e-53;
Matches 666; Conservative 0; Mismatches 513; Indels 40; Gaps 7;
Qy 119 AAGAGCAAAATGTTGTGAAGAAGCGGAGCTGAATACGGAGCATCTCAGCTTATTCATC 178
Db 442 AAGATGAGAGAGATGAGAGCTGACATTTGAATATGGCGCAACGATGTGATCATGC 501
Qy 179 TATTTGCGCGGTGCTACTATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 238
Db 502 TCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 561

CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (BPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706,344C
FILING DATE: 30-AUG-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/003,054
FILING DATE: 31-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KIM, JUDITH U.
REGISTRATION NUMBER: 40,679
REFERENCE/DOCKET NUMBER: 0609.4180001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 2765 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 249..1649
US-08-706-344C-27

Query Match 16.5%; Score 248.2; DB 4; Length 2765;
Best Local Similarity 54.6%; Pred. No. 2e-53;
Matches 666; Conservative 0; Mismatches 513; Indels 40; Gaps 7;

QY	119	AAGACGAAATGTTGGGAAGCGGAGCTGAATACGAGCATCTCAGCTTATCATC	178
DB	442	AAGATGAGGAAGATGAGGAGCTGACATTTGAATATGGCCGCAAGCATGATCATGC	501
QY	179	TATTTGTCGGGTGTCATGATGCTGCTGTTGTTTACGATGAACAGGATTCAGT	238
DB	502	TCTTTGTCCTGTGACTCTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	561
QY	239	TTTATAGTCAAAACATGAAGGCAATTTACTATCATCTCTTTTGTCCGGGAAACAGACA	298
DB	562	TTTATACCGGAAGATG---GGCAGCTAATCTATACCCCATTCACAGAAGATACCGAGA	618
QY	299	GTATCGTTGAGAAGGATGATGTCACATTTGGAATGCTCTCTCATGTTGTCGGTGGTGC	358
DB	619	CTGTGGCCAGAGACCCCTGCACTCAATTTCTGAATGCTGCCATCAATGATGATGCTG	678
QY	359	TTCTGATGACATCTCTGCTGATGTTTCTAATAAACAAGTTTATAGCTTTATTCATG	418
DB	679	TTGTCATGACTATCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	738
QY	419	GATGCTTATTTGTCAGCAGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	478
DB	739	CTGCTTATATATCATCTCTATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	798
QY	479	AAGTTCTGAAAGTTTCGATGCTCTCCAGGCACTATTTGTTTGTGACTGGGTA	538
DB	799	AAGTTTAAACCTATACGTTGCTGTGGACTACATTTACTGTTGCACTCTGATCTGGA	858
QY	539	ACTATGGAGTTCTCGGAATGATGTATATACATTTGGAAGGTCATTTGCTGCAACAG	598
DB	859	ATTTTGTGTGTGGGAATGATTTCCATTTCACTGAGAAAGTCCACTTCGACTCCAGCAG	918

QY	599	TCTACCTTATTACAATCTCTGCACTAATGGCTCTGGTCTTTTATCAAGTACTACCAAGAT	658
DB	919	CATATCTCATATGATTAGTGGCCCTCATGGCCCTGGTGTATATCAAGTACTACCTCCTCAAT	978
QY	659	GGACTGTGTGGTGTGCTGCTGTTTATCTCGGTTTGGGATCTGGTTCGCGTGTCTACAC	718
DB	979	GGACTGTGTGGTGTGCTGCTGTTTATCTCGGTTTGGGATCTGGTTCGCGTGTCTACAC	1038
QY	719	CAAAAGGACCATTTAGATATTTTGTGGAACCTGACAGAGAGAGAGAGAGAGAGAGAGAG	778
DB	1039	CGAAAGTCCACTCTGATGCTGTTGAAACAGCTCAGGAGAGAGAGAGAGAGAGAGAGAG	1098
QY	779	CGCGCTGATTTTATCTGCTGGAGTCTATCTATCCCTACGTTCTGTTTACTGCACTTGA	838
DB	1099	CAGCTCTCATTTACTCTCTCAACAAT-----GGTGTGTTGGTGAATATGGCA	1145
QY	839	ACAGCAGACAGCCCGGTGAACCGAGCTGTCAGACTCAAAATCTTTACAGCTTTTCCTG	898
DB	1146	GAAGGAGA-----CCCGGAAGCTCAAAAGGAGAGTATCCAAAAATTTCCAAGCATATG	1200
QY	899	GAGAGCGAGTTGTTCTATCTGAAAGCGCAAAAGCGCCCAAAAGTGAACGAATTCCTCAA	958
DB	1201	AAAGCAGACAGAAAGGAGTC--ACAAGACTGTTGAGAGATGATGATGGCGGTTTCAG	1258
QY	959	AAGTGCAAATCGAATCGAATCTACAGCTTTCAACGACACACAAAACTCTGGAGTAAGG	1018
DB	1259	TGAGGAATGGGAAGCCAGAGGAGCAGTCTATAGGCGCTCATCGCTCTACACCTGAGTC	1318
QY	1019	AACGGGAGCTAGCTGTGAGAGACCAACTGTACAGAGCGCAATTTTACAGGACAGAG	1078
DB	1319	ACGAGCTGTCTCCAGGAATTTTCAGCAGTAT-----CCTCGTGTGGTGAAGACC	1368
QY	1079	AGGAAGAGAGAGGTGTGAAACTTTGCTGGCGCACTTCAATTTCTACTCTGTTCTCCTCG	1138
DB	1369	CAGAGGAAGGAGGATGAACCTTTGGATTTGGAGATTTCAATTTCTACAGTGTCTGTTG	1428
QY	1139	GCAAGGCTT-----CATCGTACTTTGACTGGAACACGACTATCGTGTGTTATGTGGCCA	1192
DB	1429	GTAAAGCCCTCAGCAACAGCCAGTGGAGACTGGAACACACACCATAGCTGTTGCTAGCCA	1488
QY	1193	TTCCTATCGCTCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1252
DB	1489	TATTAATGTTGTTGCTGCTTACATTTACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTG	1548
QY	1253	CTCTG-CAATTTCCATTTTCTCGGACTCATTTTACTTTTCTACCTCCGCTGGATCATCA	1311
DB	1549	CTCTTCCAATCTCCATCACCCTTTGGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1608
QY	1312	CCCCATTTGTTACACAAGT 1330	
DB	1609	AGCCTTTTATGACCAATT 1627	

RESULT 10

US-08-967-101-133

; Sequence 133, Application us/08967101

; Patent No. 5840540

; GENERAL INFORMATION:

; APPLICANT: ST. GEORGE-HYSLOP, PETER H

; APPLICANT: ROMMENS, JOHANNA M

; APPLICANT: FRASER, PAUL E

; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED

; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE

; NUMBER OF SEQUENCES: 163

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: TESTA, HURWITZ & THIBEAULT

; STREET: High Street Tower - 125 High Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: U.S.A.

; ZIP: 02110

; COMPUTER READABLE FORM:

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, MEDIUM TYPE: Floppy disk
, COMPUTER: IBM PC compatible
, OPERATING SYSTEM: PC-DOS/MS-DOS
, SOFTWARE: Patent In Release #1.0, Version #1.30
, CURRENT APPLICATION DATA:
, APPLICATION NUMBER: US/08/967,101
, FILING DATE: 10-NOV-1997
, CLASSIFICATION: 435
, PRIOR APPLICATION DATA:
, APPLICATION NUMBER: 08/592,541
, FILING DATE:
, ATTORNEY/AGENT INFORMATION:
, NAME: Pitcher, Edmund R.
, TELECOMMUNICATION INFORMATION:
, TELEPHONE: (617) 248-7000
, TELEFAX: (617) 248-7100
, INFORMATION FOR SEQ ID NO: 133:
, SEQUENCE CHARACTERISTICS:
, LENGTH: 2791 base pairs
, TYPE: nucleic acid
, STRANDEDNESS: single
, TOPOLOGY: linear
, MOLECULE TYPE: cDNA
US-08-967-101-133

```

Query Match	16.5%; Score 248.2; DB 2; Length 2791;
Best Local Similarity	54.6%; Pred. No. 2e-53;
Matches	666; Conservative 0; Mismatches 513; Indels 40; Gaps 7;
QY	119 AAGACGAAATGTGTGGAGAAGCGAGCTGAATAGGAGCAATCTCAGTTATTTCATC 178
Db	442 AAGATGAGGAAGAAGATGAGGAGCTGACATTGAAATATGGCGCAAGCATGTGATCATGC 501
QY	179 TATTGTGCCGGTGTCACTATGCATGCTCTGGTGTTTTTACCATAACACAGTACGT 238
Db	502 TCITTTGCCCTGTGACTCTCTGCATGGTGGTGGCTGCGCTAACCATTTAAGTCAGTCAGCT 561
QY	239 TTATAGTCAAAAACAANTGSAAGGCATTTACTATCACATCCCTTTTGTCCGGGAACACACA 298
Db	562 TTTTATCCCGGAAGGATG---GGCAGCTAATCTATACCCCATTACACAGAAGATACCAGGA 618
QY	299 GTATCGTTGAGAAGGGATTGATGTCACTTGGAAATGCTCTGCATCATGTTGTGGTGCTGC 358
Db	619 CTGTGGGCCACAGAGCCCCGACTCAATTTCTGAATGCTGCATCATGATCAGTGTCATTG 678
QY	359 TTCTGATGACAGTTCTGCTGATTTGTTTCATATAATACAAAGTTTATAAGCTTTATTCATG 418
Db	679 TTGTCATGACTATCCCTCTCGTGGTCTCTGTAATAATACAGGTGCTATAAGGTGATCCATG 738
QY	419 GATGGCTTATPTGCAGCAGTTTTCTCTTTCTCTTATTCATCAATCTATGTGCAAG 478
Db	739 CCTGGCTTATTATATCATCTCTATTGTGCTGTTCTTTTTTTCATTCATTACTTGGGG 798
QY	479 AAGTTCGAAAAATTTGATGTGTCGCCAGCCACTATFGTTTTGTTGGACTGGTA 538
Db	799 AAGTGTTTAAACCTATAAGTTGCTGTGGACTACATTAAGTGTGCACCTCCTGATCTGGA 858
QY	539 ACTATGGAGTTCFCGGAATGATGTGTATACATTTGGAAGGTCCAATTGCGTCTGCCACAGT 598
Db	859 ATTTTGGTGTGGGAATGATTTCCATTCACATGSAAGGTCCACATTCGACTCCACGAGG 918
QY	599 TCTACCTTATTACAATGTCTGCACATAATGGCTCTGGCTTTTATCAAAGTACCTACCAAGAT 658
Db	919 CATATCTCATTTATGATTAGTCCCTCATGGCCCTGGTGTTTATCAAGTACCTCCCTGGAAT 978
QY	659 GGACTGTGTGGTTTGTGCTGTTTGTATTATCGGTTTGGGATCTGGTTGCGGTGCTCACAC 718
Db	979 GGACTGCGTGGCTCATCTTTGGCTGTGATTTCAAGTATATGTTAGTGGCTGTTTGTGTC 1038
QY	719 CAAAAGGACCATTTGAGATATTTGGTGGAACTTCACAGGAGAGAAACGACCAATTTTCC 778
Db	1039 CGAAGGCTCCACTTCGATFCTGGTTGAAACAGCTCAGGAGAGAATGAAGCGCTTTTC 1098

Qy	779	CGGCGCTGATTTATTCGCTGGAGTCAATCATCCCTACAGTTCCTTGTTACTGCAAGTTGAAA	838
Db	1099	CAGCTCTCATTTACTCTCTCAACAAAT-----GGTGTGGTTGGTGAATATGGCA	1145
Qy	839	ACAGCAGACACCCCGCTGAACCGACGTCGTACAGACTCAAAATCTCTACAGCTTTTCCCTG	898
Db	1146	GAAGGAGA-----CCCGGAGCTCAAGGAGAGTATCCAAAAATTCGAAGTATAATGCAG	1200
Qy	899	GAGAGCGGAGTTGTTTCATCTGAAACGCCAAACGGCCAAAAGTGAACCAATTCCTCAAA	958
Db	1201	AAAGCAGACAAAAGGGAGTCT--ACAAGACACTGTTGCAGAGAATGATGATGGCGGTTTCAG	1258
Qy	959	AAGTGCAAATCGAATCGAATACTACAGCTTCAAGCACACAAAACCTCTGGAGTAAGGGTGG	1018
Db	1259	TGAGGAATGGGAAGCCCGAGAGGACAGTCACTAGGGCCCTCATCGCTCTACACCTGAGTC	1318
Qy	1019	AACGGGAGCTAGCTGCTGAGAGACCAACTGTACAAGACGCCAAATTTTCAGGCACGAAG	1078
Db	1319	ACGAGCTGCTTCCAGGAACCTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC	1368
Qy	1079	AGGAAGAGACAGGTGTGAACCTGGTCTGGGCGACCTTCATTTCTACTCTGTGTTCTCCTCG	1138
Db	1369	CAGAGGAAGGGGAGTAAACCTTGGATGGGAGATTTCATTTTCTACAGTGTCTCTGGTTG	1428
Qy	1139	GCAAGGCTT-----CATCGTACTTTGACTTGAACACGACTATCGCTTGTATGTGGCCA	1192
Db	1429	GTAAGCCTCAGCAACAGCCAGTGGAGACTGGAAACACAACCATAGGCTGTTTCGTAGCCA	1488
Qy	1193	TTCTTATCGCTCTCTGCTTCACCTTGTGCTGCTGCCGCTTCTTCAACAGCAGCACTCCGG	1252
Db	1489	TATTAATTTGGTTTGTGCTTACATATTACTCTCGCATTTTCAAGAAAGCATTGCCAG	1548
Qy	1253	CTCTG-CAATTTCCATTTCTCCGGACTCATTTTTCATTTTGTACCCGCTGGATCATCA	1311
Db	1549	CTCTTCAATCTCCATCACTTTGGGCTTGTGTTTCTACTTTGCCACAGATTATCTTGTAC	1608
Qy	1312	CCCCATTTGTTACACAAGT	1330
Db	1609	AGCCTTTTATGGACCAATT	1627

RESULT 11

US-08-592-541-133

; Sequence 133, Application US/08592541

; Patent No. 5986054

; GENERAL INFORMATION:

; APPLICANT: ST. GEORGE-HVSLOP, PETER H

; APPLICANT: ROMWENS, JOHANNA M

; APPLICANT: FRASER, PAUL E

; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED

; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE

; NUMBER OF SEQUENCES: 183

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: TESTA, HURWITZ & THIBEAULT

; STREET: High Street tower - 125 High Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: U.S.A.

; ZIP: 02110

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/592,541

; FILING DATE:

; CLASSIFICATION: 800

; ATTORNEY/AGENT INFORMATION:

; NAME: Pitcher, Edmund R.

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 248-7000

; TELEFAX: (617) 248-7100

Db 799 AAGTGTAAACCTATAACCTTCTCTGGGACTACATTTACTTGTGCACCTCTGATCTGGA 858
Qy 539 ACTATGGAGTTCTCGGAATGATGTATATACATTTGAAAGGTCCATTCGGTCTGCAACAGT 598
Db 859 ATTTTGGTGGTGGGATGATTTCCATTTCTAGTGAAGGTCCATTCGGACTCCAGCAGG 918
Qy 599 TCTACCTATTACAAATGTCGCACTAATAGTCTGTGCTTTTATCAAGTACTACCAAGAT 658
Db 919 CATATCTCATTTAGTAGTCCCTCATGGCCCTGGTGTATATCAAGTACTCCCTGAAT 978
Qy 659 GGACTGTGGTGTGCTGTGTTTATCTCGGTTTGGGATCTGGTTCGGTCTGCACAC 718
Db 979 GGACTGGTGGTGTGCTGTGTTTATCTCGGTTTGGGATCTGGTTCGGTCTGCACAC 1038
Qy 719 CAAAGGACCATTTGAGATATTTGGTGAAGTCTGACAGGAGAGAAAGGCAATTTTCC 778
Db 1039 CGAAGGTCCACTTCGTATCTGTTGAACAGCTCAGGAGAGAAATGAACGGTTTTTC 1098
Qy 779 CGGGCTGATTTATCTCTGGAGTCACTATCCCTACGTTCTGTGTACTGCAAGTGA 838
Db 1099 CAGCTCTCATTTACTCTCAACAT-----GCTGGTGGTGGTGAATATGGCA 1145
Qy 839 ACAGGACAGACCCCGTGAACGCGTCTGACACTCAATATCTTCTACAGCTTTTCTG 898
Db 1146 GAGGAGA-----CCGGAAGCTCAAGGAGAGATATCCAAATTTCAAGTATATGCAG 1200
Qy 899 GAGAGCGAGTGTCTATCTGAAACGCGCAAGGCAAGTGAACGAATTTCTCAAA 958
Db 1201 AAAGCACAGAAAGGAGTCT--ACAAGACACTGTTGCAGAGATGATGATGGCGGTTCAG 1258
Qy 959 AAGTGCNAATCGAATCGAATCTACAGCTTCAACGACACAAAACCTCTGGAGTAAAGGTGG 1018
Db 1259 TGAGGAATGGGAAGCGCCAGAGGACAGTCTATCTAGGGCTCTATCGCTCTACACCTGAGTC 1318
Qy 1019 AACGGGAGTGTGCTGTGAGAGACCACTGTACAGAGCCCAATTTTACAGGACGCAAG 1078
Db 1319 ACAGCTGTCTCCAGAACTTTCCAGCAGTAT-----CCTCGCTGTGGAAGACC 1368
Qy 1079 AGAAGAGAGAGTGTGAACACTTGTCTGGGCGACTTCAATTTCTACTCTGTCTCTCTG 1138
Db 1369 CAGAGGAAGGGAGTAAACTTGGATTTGGAGATTTTCAATTTTCTACAGTGTCTGTTG 1428
Qy 1139 GCAAGCTT-----CATGCTACTTGTGACTGGAACAGCACTATCGCTGTGTTATGTCGCA 1192
Db 1429 GTAAAGCCTCAGCAACAGCGAGTGGAGACTGGAACACACACATGCTGTCTGTAAGCA 1488
Qy 1193 TTCTTATCGCT 1252
Db 1489 TATTAATGTTTGTGCTTACATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1548
Qy 1253 CTCCTG-CAATTTCCATTTTCTCGGACTCATTTTCTCTCTCTCTCTCTCTCTCTCTCT 1311
Db 1549 CTCCTTCCAATCTCCATCACTTTGGGCTTGTGTTTCTCTCTCTCTCTCTCTCTCTCT 1608
Qy 1312 CCCCATTCTTACACAAGT 1330
Db 1609 AGCCTTTATGACCAAT 1627

RESULT 15

US-08-496-841C-133

Sequence 133, Application US/08496841C

Patent No. 6210919

GENERAL INFORMATION:

APPLICANT: ST. GEORGE-HYSLOP, PETER H

FRASER, PAUL E

ROMMENS, JOHANNA M

TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED

TO ALZHEIMER'S DISEASE

NUMBER OF SEQUENCES: 175

CORRESPONDENCE ADDRESS:

ADDRESSEE: Darby & Darby, PC

STREET: 805 Third Avenue

CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/496,841C
FILING DATE: 28-Jun-1995
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Paul F. Fehner, Ph.D.
REGISTRATION NUMBER: 35,135
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 133:
SEQUENCE CHARACTERISTICS:
LENGTH: 2792 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 133:
US-08-496-841C-133

Query Match 16.5%; Score 248.2; DB 4; Length 2792;

Best Local Similarity 54.6%; Pred. No. 2e-53;

Matches 666; Conservative 0; Mismatches 513; Indels 40; Gaps 7;

Qy 119 AGACAGAAATGTTGTGGAAGAGCGGAGCTGAAATACGGAGCATCTCAGTTATTTCATC 178
Db 442 AAGATGAGGAAGAAGATGAGGAGCTGACATTTGAAATATGGCGCAAGCATGTATCATGC 501
Qy 179 TATTTCTGCGGTGTCTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 238
Db 502 TCTTTGCTCCTGTGAGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 561
Qy 239 TTTATAGTCAAAACAAATGGAAGGCAATTTACTATACATCTCTTTTCCGGGAAACAGACA 298
Db 562 TTTATACCGGAAGGATG--GACAGCTAATCTATACCCCAATTCACAGAAGATACCGAGA 618
Qy 299 GTATCGTTGAGAGGATGATGCTACTTGGAAAGCTCTCTGCTCATGTTGTGCGGTGCG 358
Db 619 CTGTGGGCCAGAGAGCCCTGCACCTAAATTTCTGAAATGCTGCCATCATGATCATGTCAT 678
Qy 359 TTCTGATGACAGTTCTGCTGATGTTTCTCTATAAATACAAAGTTTATTAAGCTTATTTCAT 418
Db 679 TTGTCATGACTATCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 738
Qy 419 GATGCTTATGTCAGCAGTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 478
Db 739 CCTGGCTTATATATCATCTCTATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 798
Qy 479 AAGTTCTGAAAGTTTCGATGCTCTCCAGCGCAGCTATTTGTTTGTGTTGTTGTTGTTGTT 538
Db 799 AAGTGTATAAACCCTATAACGTTGCTGTGGAGTACTACTTGTGCTGCTGCTGCTGCTGCT 858
Qy 539 ACTATGGAGTCTCTCGGAATGATGTATACATTTGAAAGGTCCATTCGCTGCTGCAACAGT 598
Db 859 ATTTTGGTGTGGTGGGAATGATTTCCATTCATCTGGAAGGTCCATTCGCTGCTGCAACAG 918
Qy 599 TCTACCTTATTACAATGTCTGCACTAATGGCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCT 658
Db 919 CATATCTCATTTAGTATAGTGGCCCTCATGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTG 978
Qy 659 GGACTGTGCTGTTGCTGCTGTTTATCTGCTGTTGGAATCTGCTGCTGCTGCTGCTGCTGCT 718
Db 979 GGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1038

719 CAAAGGACCATTTGATATTTTGGTGAACCTGCACAGGAGAAACAGGACCAATTTTC 778
1039 CGAAGGTCACCTCGTATGCTGGTGAACAGCTCAGGAGAAATGAACCGCTTTTC 1098
779 CGCGCTGATTTATTCGTCTGGAGTCACTATCCCTACGTTCTTGTACTGCACTTGAA 838
1099 CAGCTCTCATTTACTCTCAACAT-----GGTGGTGGTGGATATGGCA 1145
839 ACAGGACAGCCCGCTGAGACGAGCTGTCAGACTCAATATCTTACAGCTTTTCCTG 898
1146 GAAGGAGA-----CCCGGAGCTCAAGGAGATATCCAAAATTCAGTATAATGCAG 1200
899 GAGAGCGAGTCTTTCATCTGAACGCCAAACGGCCAAAGTGAACGAATTCCTCAA 958
1201 AAGCACAGAAAGGAGTC--ACAAGACACTGTTCAGAGAAATGATGGGGTTCAG 1258
959 AAGTCAAAATCGAATCGAATCTACAGCTTCAACGACACAAAACCTCTGGAGTAAAGGTG 1018
1259 TGAGGAATGGGAAGCCAGAGGACAGTCTATAGGGCTCATCGCTCTACACCTGAGTC 1318
1019 AAGCGAGCTAGTCTGAGAGACCAACTGTGACAGACGCAATTTTCACAGGACGAAAG 1078
1319 ACAGCTGTCTCCAGGAATTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC 1368
1079 AGGAGAGAGAGTGTGAACCTTGGTCTGGCGGACTTCAATTTCTACTCTGCTCTCTCG 1138
1369 CAGAGAAAGGAGTGAACCTTGGATGGGAGATTTCAATTTCTACAGTCTCTGGTTG 1428
1139 GCAAGCTT-----CATGCTACTTTGACTGGAACACGACTATCGCTTGTATGGCCA 1192
1429 GTAAAGCCTCAGACAGCCAGTGGAGACTGGAACACACCATAGCTGTTTCGTAGCCA 1488
1193 TTCCTATCGCTCTGCTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1252
1489 TATTAATGGTGTGGCTTACATTTACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1548
1253 CTCG--CAATTTCCATTTCTCGGACTCATTTTACTTTTGTACCCCTGGATCATCA 1311
1549 CTCCTCAATTCCTACCTTTGGCTTGTCTTCTACTTTGCCACAGATATATCTGTAC 1608
1312 CCCCATTGTTACAAAGT 1330
1609 AGCCTTTTATGACCAAT 1627

RESULT 16

US-08-670-479-24

Sequence 24, Application US/08670479

Patent No. 5973133

GENERAL INFORMATION:

APPLICANT: Hardy, John A.

APPLICANT: Goate, Alison M.

TITLE OF INVENTION: MUTANT S182 GENES

NUMBER OF SEQUENCES: 24

CORRESPONDENCE ADDRESS:

ADDRESSEE: SmithKline Beecham Corporation

STREET: 709 Swedeland Road

CITY: King of Prussia

STATE: PA

COUNTRY: U.S.A.

ZIP: 19406-0939

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/670,479

FILING DATE: 26-JUN-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/001,500

FILING DATE: 18-JUL-1996

APPLICATION NUMBER: 60/001,800
FILING DATE: 02-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Had, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: P50361
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1914 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE:
ORIGINAL SOURCE:
FEATURE:
US-08-670-479-24

Query Match 16.4%; Score 246.6; DB 2; Length 1914;

Best Local Similarity 54.6%; Pred. No. 4.5e-53;

Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

QY 119 AAGACGAAATGTTGTGGAAGAGCGAGCTGAAATACGAGGATCTCAGGTTATTCATC 178
Db 401 AAGATGAGGAAGAAGATGAGGAGCTGACATTTGAATATGCGCAAGCATGTGATCATGC 460
QY 179 TATTTGTGCGGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 238
Db 461 TCTTTGTCCTGTGACTCTCTGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 520
QY 239 TTTATAGTCAAAACAAATGGAAGGCAATTTACTATCATCATCTTTTGTGCGGAAACAGACA 298
Db 521 TTTATACCGGAAGGATG---GGCAGCTAATCTATACCCCATTCACAGAAGATACCGAGA 577
QY 299 GTATGCTTGAGAGGATTTGATGCTCACTTGGAAATGCTCTCGTCACTGTTGCTGGTGG 358
Db 578 CTGTGGCCAGAGAGCCCTGCACTCAATTTCTGAATGCTGCCATCATGATCATGCTCATTTG 637
QY 359 TTCTGATGACAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 418
Db 638 TTGTCATGACTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 697
QY 419 GATGCTTATTTGTCAGCAGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 478
Db 698 CCTGGCTTATATATCATCTCTATTTGCTGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCT 757
QY 479 AGTTCTGAAAAGTTTCGATGTGCTCCAGCGCAGTATTTGTTGTTGTTGTTGTTGTTGTT 538
Db 758 AAGTGTTTAAACCTTATAACGTTGCTGGAGTACTGCTGCTGCTGCTGCTGCTGCTGCTG 817
QY 539 ACTATGGAGTCTCGGAATGATGTATATACATTTGAAAGGTCATGCTGCTGCAACAGT 598
Db 818 ATTTGCTGCTGGTGGAAATGATTTCCATTCAGTGAAGAGGTCCTTCCAGTCCAGCAG 877
QY 599 TCTACCTTATTAACATGTCTGCACTTAATGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTG 658
Db 878 CATATCTCATTTAGTAGTCCCTCATGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 937
QY 659 GCACTGCTGTTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 718
Db 938 GCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 997
QY 719 CAAAAGGACCAATTGAGATATTTGTTGGAACCTGCAAGAGGAGAAACAGGACCAATTTTC 778
Db 998 CAAAAGGTCACCTTCGTTATGCTGGTTGAACAGCTCAGGAGAGATGAACAGCTTTTC 1057
QY 779 CGGCGCTGATTTATTCGCTGAGAGTCACTATCCCTACGTTCTTCTTCTTCTTCTTCTT 838

Db 1058 CAGCTCTCAATTACTCTCAACAT-----GGTGTGGTGGTGAATATGGCA 1104
Qy 839 ACACGACAGACCCCGGTGAACGAGCGTGTGAGACTCAAAATCTCTACAGCTTTCTG 898
Db 1105 GAAGGAGA-----CCCGGAGCTCAAGAGAGATCCAAAATTCOAAGTATAATCAG 1159
Qy 899 GAGAGCGAGTGTCTATCTGAACGCGCAAAAGCGCAAAAGTGAACGAATTCCTCAA 958
Db 1160 AAAGCAGAGAAAGGAGTC--ACAAGACACTGTGTGACAGAAATGATGCGGGTTCAG 1217
Qy 959 AAGTGCATAATCGAATCAATACAGCTTCAACGACACAAAATCTGAGTAAAGGTGG 1018
Db 1218 TGAGGAATGGAAGCCAGAGGACAGTCACTAGGCGCTCATCGCTCTACACCTGAGTC 1277
Qy 1019 AACGGGAGCTAGTGTGTGAGAGACCACTGTACAAAGACGCAATTTTCACAGGACCAAG 1078
Db 1278 ACAGAGCTGTGTCCAGAACTTTCCAGCACT-----ATCCTCGGTGGTGAAGACC 1327
Qy 1079 AGGAAGAGAGAGGTGTGAACCTTTGGTGTGGCGGACTTCATTTCTACTCTGTCTCTCG 1138
Db 1328 CAGAGGAAGGGAGTAAACTTTGGATTGGAGATTTCAATTTCTACAGTGTCTGTTG 1387
Qy 1139 GCAAGGCTT-----CATCTACTTTGACTGGAACAGGACTATCGCTTGTATGTGGCCA 1192
Db 1388 GTAAGGCTCAGCAACAGCCAGTGGAGACTGGAACACACATAGCTGTGTCTGAGCCA 1447
Qy 1193 TTCTATTCGTCTCTGCTTCTCACTTCTGCTCTGCTGCGGCTTCAACAGAGCACTCCCG 1252
Db 1448 TATTAATGTGTGTGCTTACATTTACTCTCTGCGCATTTTCAAGAAAGCATGCGCAG 1507
Qy 1253 CTCTG-CAATTTCCATTTCTCGGACTCAATTTTACTTTTGTACCCGCTGGATCATCA 1311
Db 1508 CTCTTCAATCTCCATCACCTTTGGGCTTGTCTTCTTACITTTGCCACAGATTATCTGTAC 1567
Qy 1312 CCCATTTGTACCAAGT 1330
Db 1568 AGCCTTTTATGGACCAAT 1586

RESULT 17

US-08-706-344C-29
Sequence 29, Application US/08706344C
Patent No. 6248555
GENERAL INFORMATION:
APPLICANT: TANZI, RUDOLPH
APPLICANT: WASCO, WILMA
TITLE OF INVENTION: Genetic Alterations Related To Familial
TITLE OF INVENTION: Alzheimer's Disease
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706,344C
FILING DATE: 30-AUG-1996
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/003,054
FILING DATE: 31-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KIM, JUDITH U.
REGISTRATION NUMBER: 40,679
REFERENCE/DOCKET NUMBER: 0609,4180001

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 2765 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 249..1649
US-08-706-344C-29

Query Match 16.4%; Score 246.6; DB 4; Length 2765;

Best Local Similarity 54.6%; Pred. No. 5.1e-53;

Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

Qy 119 AACACGAAATGTTGTGAAGAAGCGAGCTGAAATACGAGCATCTCAGCTTATTCATC 178
Db 442 AAGATGAGGAAGAAGATGAGGAGCTGACATTGAAATATGCGCCAAAGCATGTGATCAGC 501
Qy 179 TATTGTGCGCGTCTCACTATGCTGCTCTGTTGTTTACGATGAACACGATTACGT 238
Db 502 TCCTTGTCCCTGTGACTCTCTGCTGCTGTTGTTGCTGCTGCTACCATTAAGTCAGTCAGCT 561
Qy 239 TTATAGTCAAAACATGGAAGCATTTACTATCATATCTTTTTCGCGGAAACAGACA 298
Db 562 TTATACCGGAAGAGATG---GGCAGCTAATCTATACCCCATTCACAGAAAGATACCGAGA 618
Qy 299 GTATGCTGTGAAGGATGATGCTCACTTGAATGCTCTGCTGCTGCTGCTGCTGCTGCTG 358
Db 619 CTGTGGCCAGAGAGCCCTGCACTCAATCTGAAATGCTGCTGCTGCTGCTGCTGCTGCTG 678
Qy 359 TTCTGATGACAGTCTCTGCTGATTTTCTTATAAATACAAAGTTTATAAGCTTATTCATG 418
Db 679 TTGTCATGACTATCCCTCGTGTGTTCTGTATATAAATACAGGTCTATAGGTCATCCATG 738
Qy 419 GATGGCTTATGTCAGCAGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 478
Db 739 CCTGGCTTATATATCATCTCTATTTGCTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 798
Qy 479 AAGTCTCTGAAAGTTTCGATGCTCTCCAGCGCAGCATATTGGTTTGTGTTGGACTGGTA 538
Db 799 AGTGTTTAAACCTATAAGTGTGCTGTGAGCTACATTTACTGTGCACTCTCTGATCTGGA 858
Qy 539 ACTATGGAGTCTCTGGAATGATGTATACATTTGGAAGGTCCATTTGCGCTGCAACACT 598
Db 859 ATTTTGTGTGTGGGAATGATTTCCATTCAGTGGAAAGTCCACTTCGACTCCAGCAGG 918
Qy 599 TCTACTTATTAATGCTGCACTAATGGCTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 658
Db 919 CATATCTCATTTATGATAGTGGCCCTCATGGCCCTGCTGTTTATCAAGTACCTCCCTGAAT 978
Qy 659 GGACTGTGTGTTTGTGCTGTTTGTATCTCGTGTGGGATGCTGCTGCTGCTGCTGCTGCTGCTG 718
Db 979 GGACTGTGCTGCTCATTTGGCTGTGATTTTCTAGTATATGATTTAGTGGCTGTTTGTGTGTC 1038
Qy 719 CAAAAGGACCAATTGAGATATTTTGGTGAACCTGCACAGGAGAGAAACAGGCAATTTTCTC 778
Db 1039 TGAAAGGTCCACTTCTGTATGCTGTTTGAACAGCTCAGGAGAGAAATGAACGCTTTTTC 1098
Qy 779 CGGCGCTGATTTATTCGCTGCTGAGTCACTATCCCTAGCTTCTTCTTCTTCTTCTTCTTCTTCT 838
Db 1099 CAGCTCTCATTTACTCTCAACAAT-----GGTGTGGTGGTGAATATGGA 1145
Qy 839 ACACGACAGACCCCGTGAACCGAGCTGCTGACAGCTCAAAATCTCTACAGCTTTCTCTG 898
Db 1146 GAAGGAGA-----CCCGGAAGCTCAAGAGAGATATCCAAATTTCCAGAGCAATAGCAG 1200
Qy 899 GAGAGGCGAGTGTTCATCTGAAACGCGCAAAAGTGAACGAATTCCTCAAA 958

1201 AAAGCACAGAAAGGAGTC--ACAAGACACTGTTGCAGAGAAATGATGCGCGGTTTCAG 1258
QY 959 AAGTGCAGAAATCGAATCGAATACAGCTTCAACGACACAAAACTCTGGAGTAAGGGTGG 1018
Db 1259 TGAGGAAATGGAAAGCCAGAGGACAGTCACTAGGGCCTCATCGCTCTACACCTGAGTC 1318
QY 1019 AACGGGAGCTVAGTGTCTGAGAGACCAACTGTACAAGACGCCAATTTTCACAGGCACGAAG 1078
Db 1319 ACAGCTGTCTGTCAGAACTTCCAGCAGT-----ATCCCTGCTGGTGAAGACC 1368
QY 1079 AGAAGAGAGAGGTGTGAACTTGGTGGCGGCACTTCAATTTCTACTCTGTCTCTCTCG 1138
Db 1369 CAGAGGAAGGGAGTAAACTTGGATTGGAGATTTCATTTCTACAGTGTCTGGTTG 1428
QY 1139 GCAAGCCTT-----CATCGTACTTTGACTGGAACAGGACTATCGCTTGTATGTGGCCA 1192
Db 1429 GTAAGCCCTCAGCAACAGCCAGTGGAGACTGGAAACAAACCATATGCTGTTCGTAGCCA 1488
QY 1193 TTCTTATCGCTCTCTGCTTCACTTCTGCTGCTGCGCGTCTTCAACAGGACACTCCCGG 1252
Db 1489 TATTAATGGTTTGTGCTTACATTATTACTCTTCCCATTTTCAAGAAAGCAATTGCCAG 1548
QY 1253 CTCCTG-CAATTTCCATTTCTCGGACTCATTTTACTTTTGTATCCCGCTGGATCATCA 1311
Db 1549 CTCTTCCAATCTCCATCAGCTTGGGCTTGTCTTCTACTTTGCCACAGATTATCTTGTC 1608
QY 1312 CCCCATTGTACACAGT 1330
Db 1609 AGCCCTTTATGGACCAATT 1627

RESULT 18

US-08-706-344C-31

; Sequence 31, Application US/08706344C
; Patent No. 6248555
; GENERAL INFORMATION:
; APPLICANT: TANZI, RUDOLPH
; APPLICANT: WASCO, WILMA
; TITLE OF INVENTION: Genetic Alterations Related To Familial
; TITLE OF INVENTION: Alzheimer's Disease
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,344C
; FILING DATE: 30-AUG-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/003,054
; FILING DATE: 31-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: KIM, JUDITH U.
; REGISTRATION NUMBER: 40,679
; REFERENCE/DOCKET NUMBER: 0609,4180001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2765 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 249..1649

US-08-706-344C-31

Query Match 16.4%; Score 246.6; DB 4; Length 2765;
Best local similarity 54.6%; Pred. No. 5.1e-53;
Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

QY 119 AAGACCAAAATGTTGTGGAAGAGCGGAGCTGAAATACGAGCATCTCAGCTTATTTCATC 178
Db 442 AAGATGAGGAAGAAGATGAGAGCTGACATTTGAAATATGCGCAAGCATGTGATCATCG 501
QY 179 TATTTGTGCGGTGTCTCAGTATGCTGCTGTGTTGTTTACGATGAACACCATATTACGT 238
Db 502 TCTTTGCTCCTGTGACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 561
QY 239 TTTATAGTCAAAACAAATGGAAGCAATTTACTATACATCTCTTGTCCGGGAAACAGACA 298
Db 562 TTTATACCGGAGGATG---GGCAGCTAATCTATATACCCCATTCACAGAAATACCGAGA 618
QY 299 GTATCCTTTGAGAGGAGTATGATGCTCACTTGGAAATGCTCTCGTCATGTTGCTGGTGC 358
Db 619 CTGTGGCCAGAGAGCCCTGCATCAATTTCTGAAATGCTGCTCATGATGATGATGATG 678
QY 359 TTCTGATGACAGTTCTGCTGATTTGTTTCTATAAATACAAGTTTATAAGCTTATTTCATG 418
Db 679 TTGTCATGACTATCCTCCTGGTGTCTGTATAAATACAGGTGCTATAGGTCATCCATG 738
QY 419 GATGGCTTATGTACAGAGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 478
Db 739 CCTGGCTTATATATCATCTCTATTTGCTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 798
QY 479 AAGTCTGAAAAGTTTCGATGTCTCCAGCGCACTATGTTTGTGTTGGACTGGGTA 538
Db 799 AAGTGTTTAAACCTATAACGTTGCTGGAATACATTTACTGCTGCACTCTGATCTGA 858
QY 539 ACTATGGAGTTCTCGGAATGATGTATACATTTGGAAGTGCATTCGCTGCAACAGT 598
Db 859 ATTTTGGTGTGTTGGGAATGATTTCCATTCATGGAAGTGCATTCGCTGCAACAGT 918
QY 599 TCTACTTATTAACAATGTCTGCACTAATGGCTCTGGTCTTATCAAGTACCTACCAAGAT 658
Db 919 CATATCTCATTTATGATTTAGTGCCTCATGGCCTGTGTTTATCAAGTACCTCCCTGAAT 978
QY 659 GGACTGTGTGTTGCTGCTGTTTGTATCTCGGTTGGATCTGTTGCTGCTGCTGCTGCTG 718
Db 979 GGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1038
QY 719 CAAAAGGACCAATTTGAGATATTTGGTGGAACTGCAAGAGGAGAAACAGCAATTTTCC 778
Db 1039 CGAAAGTCCACTTCATATGCTGTTGAAACAGCTCAGGAGAGAAATGAACGCTTTTTC 1098
QY 779 CGGCGCTGATTTATGCTGTTGGAGTCACTATPCCCTACCTTCTTGTACTCAGTTGAAA 838
Db 1099 CAGCTCTCATTTACTCTCTCAACAAT-----GCTGTGTTGTTGTAATATGCA 1145
QY 839 ACACGACAGACCCCGTGAACCGAGCTGCTCAGACTCAAACTTCTACAGCTTTTCTG 898
Db 1146 GAAGGAGA-----CCCGGAAGCTCAAGAGGAGTATCCAAAATTTCCAGCAATAATG 1200
QY 899 GAGAGCGGAGTTGTTTCATCTGAAAGCCCAAAAGTGAACAGCAATTTCTCTCAA 958
Db 1201 AAAGCACAGAAAGGAGTCT--ACAGACACTGTTGCAGAGATGATGATGGGGGTTTCAG 1258
QY 959 AAGTGCAGAAATCGAATCGAATACTACAGCTTCAACGACACAAAACTCTGGAGTAAGGGTGG 1018
Db 1259 TGAGGAATGGGAAGCCAGAGGACAGTCACTAGGGCCTCATCGCTCTACACCTGAGTC 1318
QY 1019 AACGGGAGCTAGCTGCTGAGAGACCACTGTACAGAGCCCAATTTTTCACAGGCACGAAG 1078
Db 1319 ACGAGCTGCTGTCCAGGAACCTTTTCAGCAGT-----ATCCTGCTGTTGAAGACC 1368

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2791 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-08-496-841C-1

Query Match 16.4%; Score 246.6; DB 4; Length 2791;
Best Local Similarity 54.6%; Pred. No. 5.1e-53;
Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

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QY 119 AAGACGAAATGTTGTGGAAGAGCGGAGCTGAAATACGGAGCATCTCAGCTTATTCATC 178
DB 443 AAGATGAGGAAGATGAGGAGCTGACATTGAATATGCGCCAGCATGTGATCATGC 502
QY 179 TATTTGCGGGTGTCACTATGATGCTGCTGTTTATGAGTGAACAGGATTACGT 238
DB 503 TCTTTGCTGCTGACTCTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 562
QY 239 TTTATAGTCAAAACAATGGAAGCAATTTACTATACATCTCTTTGCGGGAACAGACA 298
DB 563 TTTATACCGGAAGGATG---GGCAGCTAATCTATACCCCAATTCACAGAAATACCGAGA 619
QY 299 GTATCGTGTGAAGGATGATGATCTGCTGAAATGCTCTGCTCATGTTGTGCTGCTGCTG 358
DB 620 CTGTGGCCAGAGAGCCCTGCACTCAATCTGATGCTGCCATCATGATGATGATGATG 679
QY 359 TTTGATGACAGTTCTGCTGATGTTTCTATATAAATCAAGTTTATAAGCTTATTCATG 418
DB 680 TTGCTGATGACTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 739
QY 419 GATGGCTTATGTCAGCAGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 478
DB 740 CTGCGCTTATATATCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 799
QY 479 AAGTCTGAAAGTTTCTGATGCTCTCCAGCGCACTATTGGTTTGTGTTGGACTGGGTA 538
DB 800 AAGTGTGTTAAACCTATAAGTTGCTGTGACTACATTACTGTGCACTCCCTGATCTGA 859
QY 539 ACTATGGAGTTCTCGAATGATGATATACATTTGGAAGTCCATGCTGCTGCAACAGT 598
DB 860 ATTGCGTGTGTTGGAATGATTTCCATTTCACTGGAAGTGCACCTTCGACTCCAGCAG 919
QY 599 TCTACCTTATTAACAATGCTGCACTAATGCTGCTGCTCTTATCAAGTACCTACCAAGT 658
DB 920 CATATCTCATATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 979
QY 659 GGACTGTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 718
DB 980 GGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1039
QY 719 CAAAGGACCATGATGATATTTGGTGAATGCAAGAGAGAGAAACGAGCAATTTTCC 778
DB 1040 CGAAGGTCCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1099
QY 779 CGCGCTGATTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 838
DB 1100 CAGCTCTATTTACTCTCTCAAAAT-----GGTGTGTTGTTGATGATGATGATGATG 1146
QY 839 ACACGACAGACCCCGTGAACCGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 898
DB 1147 GAAGGAGA-----CCGGAAGCTCAAGAGAGATATCCAAATTTCCAGTATATGACAG 1201
QY 899 GAGAGCGAGTTGTTTCACTGAAACGCCAAACGAGGCAAAAGTGAACGAATTCCTCAA 958
DB 1202 AANGCAGAAAGGAGGTC--ACAAGACACTGTTCCAGAGAAATGATGATGCTGCTGCTGCT 1259
QY 959 AAGTCAAAATCGAATCTGATCTACAGCTTCAACGACACAAAACCTGAGTAAGGGTGG 1018
DB 1260 TGAGGAATGGGAAGCCAGAGGACAGTCACTAGGCGCTCTGCTCTACACCTGAGTC 1319
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QY 1019 AACGGAGCTAGCTGTGAGAGACCAACTGTACAAGACGCCAATTTTCACAGGACCAAG 1078
DB 1320 ACAGAGCTGCTGTCCAGAACTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC 1369
QY 1079 AGGAAGAGAGAGGTGTGAACACTTGGTCTGGCGGACTTCATTTTCTACTCTGTCTCTCG 1138
DB 1370 CAGAGGAAGGAGGAGTAAACACTTGGATTTGGGAGATTTCATTTTCTACAGTGTCTGTTG 1429
QY 1139 GCAAGGCTT-----CATGCTACTTTGACTGGAACAGGACTATCGCTTGTATGTGGCCA 1192
DB 1430 GTAAGCCTCAGCAACAGCCAGTGGAGACTTGAACACACCAATAGCTGTTTCTGATGCCA 1489
QY 1193 TTTCTTATCGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1252
DB 1490 TATTAATGTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1549
QY 1253 CTCGT-CAATTTCCATTTTCTCGGACTCATTTTCTACTTTTGTATACCCGCTGGATCATCA 1311
DB 1550 CTCTTCCAACTCCATCACCTTTTGGCTGTTTCTTCTACTTTTGGCCACAGATTATCTTGTAC 1609
QY 1312 CCCCATTTGTTACACAAGT 1330
DB 1610 AGCCTTTTATGGACCAAT 1628
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RESULT 24

US-09-124-523-1
; Sequence 1, Application US/09124523
; Patent No. 6395960
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/124,523
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2791 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-124-523-1

Query Match 16.4%; Score 246.6; DB 4; Length 2791;
Best Local Similarity 54.6%; Pred. No. 5.1e-53;
Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;


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Db 976 TTGTCATGACTATCTCTGCTGCTGTTCTGTATAATACAGTGTCTATAAGTCTCATCATG 1035
QY 419 GATGGCTTATGTGACGAGTTTCTCTCTCTTTCCATTACACATCAATCTATGTGCAAG 478
Db 1036 CCTGGCTTATATATCATCTATTTGTTGCTGTTCTTTTTCATTATTTACTTGGGG 1095
QY 479 AAGTTCTGAAAGTTTCGATGTGCTCCAGCGCATATGGTTTGTGGTGGTGGTGA 538
Db 1096 AAGTTTAAACCTATAACGTTGCTGTGCACTACATTTACTGTTGCACTCTGATCTGGA 1155
QY 539 ACTATGGAGTTCTCGGAATGATGTATACATTTGAAAGTCCATTTGCGTCTGCAACAGT 598
Db 1156 ATTTGGGTGGTGGGATGATTTCCATTTCACTGGAAGTCCATTTGCGTCTGCAAGG 1215
QY 599 TCTACCTTATACAACTGTGCACTAATGCTGTGCTTTTATCAAGTACTTACCAAGAT 658
Db 1216 CATATCTCATATGATGATAGTCCCTCATGCGCTGTTTATCAAGTACTTCCCTGAAT 1275
QY 659 GGACTGTGTTGTTGCTGTTGTTATCTCGGTTTGGGATCTGGTTGCGGTGCTCACAC 718
Db 1276 GGACTGCTGCTCATCTTGGCTGTGATTTCAATATATGATTTAGTGGCTGTTTGTGTC 1335
QY 719 CAAAAGGACCATTTGAGATATTTGGTGAACCTGCACAGGAGAGAAACGACCAATTTCC 778
Db 1336 CGAAAGTCCACTTCGCTATGCTGTTGAACAGCTCAGGAGAGAAATGAACGCTTTTTC 1395
QY 779 CGGCGTGTATTTATCTGCTGGAGTCACTATCCCTACGTTCTGTTTACTGCASTGAAA 838
Db 1396 CAGCTCTCATTTACTCTCAACAAAT-----GGTGTGTTGTTGAATATGCA 1442
QY 839 ACAGGACAGACCCCGTGAACGAGCGTGCAGACTCAATATCTTACAGCTTTTCTG 898
Db 1443 GAGGAGA-----CCCGGAAGCTCAAGAGAGATATCCAAAATTTCAAGTATAATGCA 1497
QY 899 GAGAGCGAGTTGTTCTATCTGAAACGCCAAAGCGCCAAAGTGAACGAATTTCTCAAA 958
Db 1498 AAAGCACAGAAAGGAGTC--ACAAGACACTGTTGCAGAGAAATGATGCGCGGTTCAG 1555
QY 959 AAGTGCAATCGAATCGATACATCTACAGCTTCAACGACACAAAACCTCTGGAGTGAAGGTG 1615
Db 1556 TGAGGAATGGAAGCCGAGAGGACAGTCACTTAGGCGCTCATCGCTACACCTGAGTC 1615
QY 1019 AACGGGAGCTAGCTGTGAGAGACCAACTGTACAAGACGCCAATTTTACAGGACGCAAG 1078
Db 1616 ACAGTCTGTCTCCAGAACTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC 1665
QY 1079 AGAAGAGAGAGGTGTGAACCTTTGGTCTGGGCGACTTCAATTTCTACTCTGTTCTCCTCG 1138
Db 1666 CAGAGAAAGGGGAGTAAACCTTGGATTTGGAGATTTTCAATTTTCTACAGTGTCTGGTTG 1725
QY 1139 GCAGGCTT-----CATGCTACTTTGACTGGAACACGACTATCGCTTGTATGTGGCCA 1192
Db 1726 GTAAAGCCTCAGCAACAGCCAGTGGAGACTGGAACACACACCACTAGCTGTTTGTAGCCA 1785
QY 1193 TTTCTTATCGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1252
Db 1786 TATTAATGGTTTGGCTTCTACATTTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1845
QY 1253 CTCTG--CAATTTCCATTTTCTCGGACTCATTTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1311
Db 1846 CTCTTCCATCTCCACACTTTGGGCTGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1905
QY 1312 CCCCATTGTTTACACAAAT 1330
Db 1906 AGCCTTTTATGACCAAT 1924
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RESULT 27

US-08-592-541-5

; Sequence 5, Application US/08592541

; Patent No. 5986054

; GENERAL INFORMATION:

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; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3087 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-592-541-5
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Query Match 16.4%; Score 246.6; DB 2; Length 3087;

Best Local Similarity 54.6%; Pred. No. 5.3e-53;

Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

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QY 119 AAGACGAAATGTTGTGGAAGACGGAGCTGGAATACGAGCATCTCACGTTATTTCATC 178
Db 739 AAGATGAGGAAGATGAGGAGCTGACATTGGAATATGGCCCAACGATGTGATCAGC 798
QY 179 TATTTGTCCGCTCTCACTATGATGCTCTGTTGTTTATACGATCAACACGATTACGT 238
Db 799 TCTTTGCTCTGTGACTCTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 858
QY 239 TTTATAGTCAAAACAATGGAAGCAATTTACTATCATCATCTTTTGTCCGGGAACAGACA 298
Db 859 TTTATACCCGGAAGGATG---GGCAGCTAATCTATACCCCATTCACAGAAGATACCCAGA 915
QY 299 GTATCTGTGAGAGGATTTGATGCTCACTTGAATGCTCTGCTCACTGTTGGTGGTGGTGC 358
Db 916 CTGTGGGCGAGAGAGCCCTGCACCTCAATCTGAAATGCTGCTCATCATCATGATGATGTCATTG 975
QY 359 TTTCTGATGACAGTGTCTGCTGATTTTCTTATAAACAAGTTTATAAAGCTTATTTCATG 418
Db 976 TTGTCATGACTATCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1035
QY 419 GATGGCTTATGTGACAGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 478
Db 1036 CTTGGCTTATATATCATCTATTTGCTGTTCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1095
QY 479 AAGTTCTGAAAGTTTTCGATGTGCTCTCCAGCGCATATTTGTTTGTGGTGGTGGTGA 538
Db 1096 AAGTGTTTAAACCTATAACGTTGCTGTGCACTACATTTACTGTTGCACTCTGATCTGGA 1155
QY 539 ACTATGGAGTTCTCGGAATGATGTGTATACATTTGGAAGTCCATTTGCGTCTGCAACAGT 598
Db 1156 ATTTGGGTGGTGGGATGATTTCCATTTCACTGGAAGTCCATTTGCGTCTGCAAGG 1215
QY 599 TCTACCTTATACAACTGTGCACTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 658
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1396 CAGCTCTCAITTTACTCTCAACAAAT-----GGTGTGGTTGGTCAATATGGCA 1442
QY 839 ACACGACAGACCCCGGTGACCGAGCTGCGTACAGTCAAAATACATCTTACAGCTTTTCTG 898
Db 1443 GAAGGAGA-----CCCGGAAGCTCAAAAGGAGATATCCAAAATTCGAATATATGAG 1497
QY 899 GAGAGGCGAGTTGTTCATCTGAACGCGCAAAAGCGGCAAAAGTGAACGAATTCCTCAA 958
Db 1498 AAAGCAGAAAGGGAGTC--ACAGACACTGTTGACAGAAATGATGATGCGCGGTTTCAG 1555
QY 959 AAGTGAATCGAATCAATACATACAGCTTCAACGACACAAACCTCTGGAGTAAGGGTG 1018
Db 1556 TGAGGAATGGAGCCAGAGGACATCATCTAGGCGCTCATCGCTCTACACCTGAGTC 1615
QY 1019 AACGGGAGCTAGTCTGAGAGACCAACTGTACAAAGACGCCAATTTTACAGGACCAAG 1078
Db 1616 ACAGAGCTGCTGTCCAGAACTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC 1665
QY 1079 AGAAGAGAGAGGTGTGAACACTTGGTCTGGCGACTTCAATTTCTACTCTGTCTCTCG 1138
Db 1666 CAGAGGAAGGGAGTAAACTTGGATGGGAGATTTCATTTTCTACAGTGTCTGTTG 1725
QY 1139 GCAAGGCTT-----CATCTACTTTTGTACGGAACAGCACTATCGCTTGTATGTGCCA 1192
Db 1726 GTAAAGCTCAGCAACAGCCAGGAGACTGGAACACCAACATAGCTGTCTGTAGCCA 1785
QY 1193 TTCTTATCGTCTCTGTTCACTCTGCTGCTGCGCGCTTCAAAAGCACTCCCG 1252
Db 1786 TATTAATGTTTGTGCTTACATTTACTCTGCTTGCATTTTCAAGAAAGATTGCCAG 1845
QY 1253 CTCTG-CAATTTCTCGGACTCAATTTTACTTTTGTACCGCTGATCATCA 1311
Db 1846 CTCTCAATCTCCATCACTTTGGGCTTGTCTTACTTTTGTCCACAGATATCTTGTAC 1905
QY 1312 CCCATTTGTACCAAGT 1330
Db 1906 AGCCTTTTATGGACCAAT 1924

RESULT 29

US-09-127-480-5

; Sequence 5, Application US/09127480

; Patent No. 6194153

; GENERAL INFORMATION:

; APPLICANT: ST. GEORGE-HYSLOP, PETER H

; APPLICANT: ROMENS, JOHANNA M

; APPLICANT: FRASER, PAUL E

; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED

; NUMBER OF SEQUENCES: 183

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: TESTA, HURWITZ & THIBEAULT

; STREET: High Street Tower - 125 High Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: U.S.A.

; ZIP: 02110

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/127,480

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/592,541

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Pitcher, Edmund R.

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 248-7000

Db

; TELEFAX: (617) 248-7100

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3087 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cdna

; US-09-127-480-5

Query Match

Best Local Similarity 16.48; Score 246.6; DB:4; Length 3087;

Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

QY 119 AAGACGAAAATGTTGTGGAAGAGCGAGCTGAAATACGGAGCATCTCACGTTTATCATC 178
Db 739 AAGATGAGGAAGAGATGAGGAGCTGACATTTGAATATATGCGCCAGCATGTGATCATGC 798
QY 179 TATTTGTCCGGTGTCTACTATGCAATGCTCTGGTTGTTTACGATGAACACGATTACGT 238
Db 799 TCTTTGTCCCTGTGACTCTCTGCAATGCTGGTGGTGGCTTACCATTAAAGTCAGTCAGCT 858
QY 239 TTTATAGTCAAAACAATGGAAGGCAATTTACTATACATCTTTTGTCCGGGAAACACACA 298
Db 859 TTTATACCCGGAAGGATG---GGCAGCTAATCTATACCCCATTCACAGAAGATACCGAGA 915
QY 299 GTATCGTTGAGAAGGATGATGTCACCTTGGAAATGCTCGTCATCTTGTGCGTGGTCG 358
Db 916 CTGTGGCCAGAGAGCCCTGCACCTCAATTTGATGCTGCCATCATCATGATCATGTCATTG 975
QY 359 TTTGATGACAGTCTGCTGATTTTCTTATAAATAACAAGTTTATAAGCTTATTCATG 418
Db 976 TTGTCATGACTATCTCTCTGTTCTGTATAAATACAGGTGCTATAAAGTGCATCATG 1035
QY 419 GATGGCTTATTTGTCAGCAGATTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 478
Db 1036 CTTGGCTTATTTATATCATCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1095
QY 479 AAGTTCTGAAAAGTTTCGATGCTGTCTCCAGCGCACTATTGGTTTCTTCTTCTTCTTCTTCT 538
Db 1096 AAGTTTAAACCTATAAGTTGCTGTGGACTACATCTGTTGCACTCTGATCTGGA 1155
QY 539 ACTATGAGTCTTCGGAATGATGTATACATTTGGAAGGTCCATGCTGCTGCAACAGT 598
Db 1156 ATTTGGTGTGGTGGGAATGATTTCCATTCACCTGGAAGGTCCACTTCGACTCCAGCAGG 1215
QY 599 TCTACCTTATTAACAATGCTGCACTAATGCTCTGCTCTGCTCTTATCAAGTACCTACCAAG 658
Db 1216 CATATCTCATTTATGATGCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCT 1275
QY 659 GGAATGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 718
Db 1276 GGAATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1335
QY 719 CAAAGGACATTTGAGATATTTGTTGGAACCTCACAGGAGAGAAACGAGCCCAATTTTCT 778
Db 1336 CGAAAGGTCCACTTCGTATGCTGTTGAAACACCTCAGGAGAGAAATGAACGCTTTTTC 1395
QY 779 CGCGCTGATTTATGCTGTTGAGTCACTATCCCTACGTTCTTGTGTTGCTGAGTTGAAA 838
Db 1396 CAGCTCTCAATTTACTCTCTCAACAAT-----GGTGTGGTTGGTGAATATATGGCA 1442
QY 839 ACACGACAGACCCCGTGAACGAGCTGCTGACACTCAAAATCTTCTACAGCTTTTCTCTG 898
Db 1443 GAAGGAGA-----CCCGGAAGCTCAAGGAGATATCCAAAATTCGAATATATGTCAG 1497
QY 899 GAGAGCGAGTTGTTTCACTCTGAAACGCCCAAAAGTGAACGAATTTCTCCAAA 958
Db 1498 AAAGCAGACAAAAGGGAGTC--ACAAGACACTGTTGACAGAAATGATGATGCGCGGTTTCAG 1555
QY 959 AAGTGAATCGAATCAATCACTACAGCTTCAACGACACAAAACCTCTGAGTAAGGGTGG 1018
Db 1556 TGAGGAATGGGAAGCCAGAGGAGCATCTATAGGCGCTCTATCGCTCTACACCTGAGTC 1615

Db 1786 TATTAAATGGTTTGGCTTACATATTACTCTTGCATTTTCAAGAAAGCATTCGCAG 1845
 QY 1253 CTCGTG-CAATTTCCATTTTTCGGGACTCATTTTTTACTTTTGTACCCGCTGGATCATCA 1311
 Db 1846 CTCCTCAATCTCCATCACCTTTGGGCTGTTTCTACTTTGCCACAGATTATCTTGTCAC 1905
 QY 1312 CCCCATTGTGTACACAGT 1330
 Db 1906 AGCCTTTTATGGACCAATT 1924

RESULT 31

```

US-09-124-523-5
; Sequence 5, Application US/09124523
; Patent No. 6395960
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TO ALZHEIMER'S DISEASE
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/124,523
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3087 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-124-523-5

```

Query Match	16.4%	Score 246.6;	DB 4;	Length 3087;
Best Local Similarity	54.6%;	Presd. No. 5.3e-53;		
Matches 665;	Conservative 0;	Mismatches 514;	Indels 40;	Gaps 7;
QY	119	AAGACCAAAATGTGTGGAGAGCGGAGCTGAATACGAGAGCATCTCAGCTTATTTCATC	178	
Db	739	AGATCAGAGAGAAGATGAGGAGCTGCATTTGAATATGGCGCAACATGTGATCATGC	798	
QY	179	TATTTGTGCGGTGTCTCACTATGCATGCTCTGGTTGTTTTAGCATGAACACGATTACGT	238	
Db	799	TCTTTGTCCCTGTGACTCTCTGCATGGTGTGTGCTGCTACCATTAAGTCAGTCAGCT	858	
QY	239	TTTATAGTCAAAACATAGGAAGCATTTACTATCACATCTTTTGTCCGGGAACACAGA	298	
Db	859	TTTATACCGGAGGAGTG---GGACGTAATCTATACCCCATCTACACAGAAGATACCCAGA	915	
QY	299	GTATCGTTGAGAGGAGTATGATCTCACTTGGAAATGCTCTCGTCATCTTTGTGGTGGTGC	358	

RESULT 32

US-08-706-344C-3

; Sequence 3, Application US/08706344C
; Patent No. 6248555
; GENERAL INFORMATION:
; APPLICANT: TANZI, RUDOLPH
; APPLICANT: WASCO, WILMA
; TITLE OF INVENTION: Genetic Alterations Related To Familial
; TITLE OF INVENTION: Alzheimer's Disease
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER-READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,344C
; FILING DATE: 30-AUG-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/003,054
; FILING DATE: 31-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: KIM, JUDITH U.
; REGISTRATION NUMBER: 40,679
; REFERENCE/DOCKET NUMBER: 0609,4180001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2765 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 249..1649
; US-08-706-344C-3

Query Match 16.3%; Score 245; DB 4; Length 2765;
Best Local Similarity 54.5%; Pred. No. 1.3e-52;
Matches 664; Conservative 0; Mismatches 515; Indels 40; Gaps 7;

QY	119	AAGACGAAATGTTGTGAAGAAGCGGAGCTCAAAATACGAGCATCTCAGTTATTATC	178
DB	442	AAGATGAGCAAGATGAGGAGCTGACATTGAAATATGGCGCCAAAGCATGTGATCATG	501
QY	179	TATTTGGCGGTGCTACTATGATGGCTCTGGTGTGTTTACGATGAACAGATTACGT	238
DB	502	TCTTTGCTCCTGACTCTCTGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT	561
QY	239	TTATAGTCAAAACATGAAGGCAATTTACTATACATCTCTTTTCCGGGAAACAGACA	298
DB	562	TTATACCGGAGGATG---GGCAGCTAAATCTATACCCCAATTCACAGAATACCGAGA	618
QY	299	GTATCGTTGAGAGGATGATGCTACATTTGGAATGCTCTGCTCATGTTGTGCGTGGTCG	358
DB	619	CTGTGGCGAGAGAGCCCTGCATCAATCTGAATGCTGCCATCATGATGATGATGATG	678
QY	359	TTCTGATGACAGTCTGCTGATGTTTCTATAAATACAAAGTTTATAAGCTTATTCATG	418
DB	679	TTGTCATGACTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	738
QY	419	GATGCTTATGTCAGCAGTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	478

Db	739	CTGGCTTATTAT	798
QY	479	AAGTTCTGAAAGATTTTCGATGTCTCCAGCGCACTATTGTTGTTTGGTGGTGGTGA	538
Db	799	AAGTTGTTTAAACCTATATAACGTTGCTGTGGACTACATTTACTGTGCACTCTGATCTGGA	858
QY	539	ACTATGAGTGTCTCGGAATGATGTATACATTTGAAAGAGTCCATTTGCGTCTGCAACAGT	598
Db	859	ATTTTGGTGTGGTGGATGATTTTCCATTTCACTGAAAGGTCCTACTTCGACTCCAGCAGG	918
QY	599	TCTACCTTATACATGCTGCACTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	658
Db	919	CATATCTCATTTATGATTAGTCCCTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	978
QY	659	GGACTGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	718
Db	979	GGACTGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	1038
QY	719	CAAAAGACCATTTGATATATTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	778
Db	1039	TGAAAGTCTCATTTATGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	1098
QY	779	CGCGCTGATTTATGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	838
Db	1099	CAGCTCTCATTTTACTCTCTCAACAAT-----GGTGTGTTGGTGAATATGCA	1145
QY	839	ACACGACAGACCCCGTGAACCGAGCTGTCAGACTCAAAATATCTTCTACAGCTTTTCTCTG	898
Db	1146	GAAGGAGA-----CCCGAAGCTCAAGGAGAGATATCCAAAATTTCCAGCATTAATGAC	1200
QY	899	GAGAGGGAGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	958
Db	1201	AAAGCACAGAAAGGAGTCT--ACAAGACACTGTTGAGAGAAATGATGATGCGGGTTTCTAG	1258
QY	959	AAGTGCAATTCGAATCGAATCTACAGCTTCAACGACACAAAATCTGAGAGTAAGGGTGG	1018
Db	1259	TGAGGAATGGGAAGCCGAGGAGGACAGTCACTAGGGCCCTCATCGCTTACACCTGAGTC	1318
QY	1019	AACGGGAGTGTGCTGTGAGAGACCAACTGTACAGAGCGCAATTTTACAGGACAGCAAG	1078
Db	1319	ACGAGCTGCTGTCAGGAACTTTTCCAGCAGT-----ATCCTCGTGTGGTGAAGACC	1368
QY	1079	AGGAGAGAGAGTGTGAACCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	1138
Db	1369	CAGAGAAAGGGGAGTAAACTTGGATTGGGAGATTTTCTACAGTGTCTGTTGTTGTTGTTG	1428
QY	1139	GCAAGCTTTCATGCTACTTTT-----GACTGGACAGCACTATCGCTTGTATGTTGTTGTTG	1192
Db	1429	GTAAGCCTTCACACAGCAGCTGGAGCTGGAAACACACACCATAGCTCTTTTCTGTTAGCA	1488
QY	1193	TTCTTATCGTCTCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1252
Db	1489	TATTAATTGTTGTTGCTTCTATATTTACTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1548
QY	1253	CTCTG-CATTTTCCATTTTCTCCGAGCACTATTTTACTTTTGTATGTTGTTGTTGTTGTTGTTG	1311
Db	1549	CTCTTCCATCTCCATCACCTTTGGCTGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT	1608
QY	1312	CCCCATTTGTTACACAAGT 1330	
Db	1609	AGCCTTTTATGACCAATTT 1627	

RESULT 33
US-08-967-101-135
; Sequence 135, Application US/08967101
; Patent No. 5840540
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TO ALZHEIMER'S DISEASE

Query Match	16.2%;	Score 243.2;	DB 2;	Length 1962;
Best Local Similarity	54.4%;	Prod. No. 3.2e-52;		
Matches 644;	Conservative	0;	Mismatches 498;	Indels 42; Gaps 6;
QY	116	AAGAAGACGAAATTTGTTGTGAAGAAGCGGAGCTGAATACGGAGCATCTCACGTTATTC	175	
DB	376	AACAAGATGAGGGAAGACAGACAGCTGACATTGAATATGGAGCCAAGCATGTCTATCA	435	
QY	176	ATCTATTGTGCGGGTGTCACATGCAATGCGCTCTGGTTGGTTTTTACGATGAACACAGTATTA	235	
DB	436	TGCTCTTTGTGCGCGTGACCCCTCTGCATGGTCTGCTGCTGCTGGCGCACCATCAATACGTCA	495	
QY	236	CGTTTTTATAGTCAAAACAATGGAGGCATTTACTATACATCTCTTTTGTCCGGGAAACAG	295	
DB	496	GCTTCTATACCCGGAAGACG - --GTACAGCTAACTACACCCCATTCACAGAAGACACTG	552	
QY	296	ACAGTATCGTTGAGAAGGGATTGATGTCACTTTGGAAATGCTCTGTCATCTGTGGCTGG	355	
DB	553	AGACTGTAGGCCAAAGAGCCCTGCACATCGATCCTGAATGGCGGCATCATCATCAGTGTCA	612	
QY	356	TCGTTCTGATCACAGTTCTGCTGATTTCTTCTATAAATACAAGTTTTTAAAGCTTATTC	415	
DB	613	TTGTCATATGACCATCCTCTGGTGTCTGTATATAAATACAGTGTCTACAGGTCTATCC	672	
QY	416	ATGGATGGCTTATTTGTCAGCAGTTTCTCTTCTCTTTCTCTTCTTCTTCTTCTTCTTCT	475	
DB	673	ACGCCTGGCTTATTATTATTCATCTCTGTTGTTGCTGTTCTTTTTTTCGTCATTTACTTAG	732	
QY	476	AAGAAGTTCTGAAAGTTTCGATGTGTCCTCCAGCGCACTAATGGTTTTTGTGGACTGG	535	
DB	733	GGGAAGTATTTAAGAACTACAATGTGCGCGTGAGCTACGTTACAGTAGCACTCCTAATCT	792	
QY	536	GTAACTATGGAGTTCTCGGAATCATGTATACATTTGGAAAGTGCCATTGCGTCTGCAAC	595	
DB	793	GGAAATTTGGTGTGGTCGGGATCATTGCCATCCACTGGAAAGCCCCCTTCGACTCGACG	852	
QY	596	AGTTCTACCTTATTAACATGTCTGCACTAATGCTCTGCTCTTTTATCAAGTACCTACCAG	655	
DB	853	AGCGGTATCTCATTTATGATCAGTGCCTCATGSCCCTGGTATTTATCAAGTACCTCCCG	912	
QY	656	AATGGACTGTGTGGTTGTGCTTTGTTTATCTCGGTTTGGGATCTGGTTGCCGTCTCA	715	
DB	913	AATGGACCGCATGGCTCATCTTGGCTGTGATTTCAGTATATGATTTGGTGGCTGTTTTAT	972	
QY	716	CACCAAAGACCAATTTAGATATTTGGTGGAACTCCACAGAGAGAAACAGACCAATTT	775	
DB	973	GTCCCAAAGGCCCACTTCGTATGCTGGTTTGAACAGCTCAGGAAGAAATGAGACTCTCT	1032	
QY	776	TCCCGGCGCTGATTTATTCGTCGTGGAGTCACTATCCCTACGTTCTTGTGTACTCGAGTTG	835	
DB	1033	TTCCAGCTCTTATCTATTCTTCCCAACAATGGTGT - --GGTTGGTGATATGGCTGAAGGAG	1089	
QY	836	AAACACAGACAGACCCCGGTGAACCGAGTCTGTACAGCTCAAAATCTTCTACAGCTTTTC	895	
DB	1090	ACCCAGAAGCCCCAAAGAGGGGTACCCAAGAACCCCAAGTATTAACACAAAGACGGGAGA	1149	
QY	896	CTGGAGGCGGAGTTGTTCACT - CAACGCGCAAAACGCCCAAAAGTGAACGAAATTCCT	954	
DB	1150	GAGACACAGGACAGTGGTGTGTTGGAAACGATGATGGTGGCTTCTAGTCAGGAGTGGGAGG	1209	

RESULT 35
 US-09-124-698-135
 ; Sequence 135, Application US/09124698
 ; Patent No. 6117978
 ; GENERAL INFORMATION:
 ; APPLICANT: ST. GEORGE-HYSLOP, PETER H
 ; APPLICANT: KOMMENS, JOHANNA M
 ; APPLICANT: FRASER, PAUL E
 ; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
 ; TO ALZHEIMER'S DISEASE
 ; NUMBER OF SEQUENCES: 183
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: TESTA, HURWITZ & THIBRAULT
 ; STREET: High Street Tower - 125 High Street
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: U.S.A.
 ; ZIP: 02110
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/124,698
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/592,541
 ; FILING DATE:
 ; ATTORNEY/AGENT-INFORMATION:
 ; NAME: Pitcher, Edmund R.
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 248-7000
 ; TELEFAX: (617) 248-7100
 ; INFORMATION FOR SEQ ID NO: 135:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1962 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: CDNA
 ; US-09-124-698-135

Query Match	16.2%;	Score 243.2;	DB 3;	Length 1962;
Best Local Similarity	54.4%;	Pred. No. 3.2e-52;		
Matches 644; Conservative	0;	Mismatches 498;	Indels 42;	Gaps 6;

Db 975 GTCCAAAGGCCACTTCGTATGCTGTGAACAGCTCAGAAAGAAATGAGACTCTCT 1034
QY TCCCGGCGCTGATTTATTCGTCGTGAGTCATCTATCCCTAGCTTCTGTTACTGCGAGTTG 835
Db 1035 TTCCAGCTCTTATCTATTCCTCAACATGGTGT---GGTTGGTGAATATGCTGAAGGAG 1091
QY 836 AAAACAGACAGACCCCGTGAACGCGCTGCTCAGACTCAAAATCTTCTACAGCTTTTC 895
Db 1092 ACCCAGAGCCAAAGAGGGTACCCAGAACCCCAAGTATACACACAAAGACGGAGA 1151
QY 896 CTGAGAGGCGAGTTGTTCTATCT---GAACGCCAAACGCGCAAGTGAACGAAATCTCT 954
Db 1152 GAGAGACACAGGACAGTGGTCTCGGAACGATGATGGTCTCAGTGAGGAGG 1211
QY 955 CAAAAGTGCAAAATCGAATGCTACAGCTTCAACGACACAAAATCTCTGGAGTAAGG 1014
Db 1212 CCAAAGACAGCTACCTGGGGCTCATCGCTCCA----- 1247
QY 1015 GTGGAACGGGAGCTAGCTGTGAGAGACCAACTGTACAAGACGCCAATTTTCACAGGCAC 1074
Db 1248 ---CTCCGAGTCAAGAGCTGTCTCCAGAACTTTCTGGGAGCATTTCAACGAGTGA 1303
QY 1075 GAAGAGGAGAGAGAGTGTGAACATTTGGTCTGGGAGCTTCAATTTTCTACTCTGTTCTC 1134
Db 1304 GACCCGAGGAAAGAGAGGATTAACATTTGAGCTGGGAGATTTCAATTTCTACAGTGTCTG 1363
QY 1135 CTGGCAAGCTTCATCGTACT-----TTGACTGGAACAGCACTATCGTTGTATGTTG 1188
Db 1364 GTTGGTAAGCCCTCAGCAACCGCAGTGGAGCTGGAACACACACCATAGCCTTTGTA 1423
QY 1189 GCATCTTATCGGTCTGCTTCACTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1248
Db 1424 GCATCTGATGCGGCTGTGCTTACATTTACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1483
QY 1249 CCGGCTCT---GCAATTTTCAATTTTCTCGGAGCTCAATTTTACTTT 1291
Db 1484 CAGCCCTCCCATCTCCATCACTTCGGGCTCGTGTCTACTT 1527

RESULT 39

US-08-496-841C-135
; Sequence 135, Application US/08496841C
; Patent No. 6210919
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; FRASER, PAUL E
; ROMWENS, JOHANNA M
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 175
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby, PC
; STREET: 805 Third Avenue
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 28-Jun-1995
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul F. Fehlner, Ph.D.
; REGISTRATION NUMBER: 35,135
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 527-7700
; TELEFAX: (212) 753-6237
; INFORMATION FOR SEQ ID NO: 135:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 1964 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 135:
US-08-496-841C-135

Query Match 16.28; Score 243.2; DB 4; Length 1964;
Best Local Similarity 54.48; Pred. No. 3.2e-52;
Matches 644; Conservative 0; Mismatches 498; Indels 42; Gaps 6;
QY 116 AAGAAGACGAAATGTTGTGGAAGAGCGAGCTGAAATACGGAGCAGCTCTCACGTTATTC 175
Db 378 AACAAAGATGAGGAGGAGACGAGAGCTGACATTTGAATATGAGCCACAGCATGTCA 437
QY 176 ATCTATTTGCGCGTCTCACTATGATGGCTCTGGTTGTTTACGATGAACACGATTA 235
Db 438 TGCTCTTTGTCGCCGTCGACCTCTGATGGTCGTCGTCGGCCACCACATCAATCACTCA 497
QY 236 CGTTTATAGTCAAAACAATGGAAGGCATTTACTATACATCTCTTTGTCGGGAAACAG 295
Db 498 GCTTCTATACCCGAGGAGC---GTCAGCTAATCTACACCCCATTCACAGAAGACACTG 554
QY 296 ACAGTATCGTTGAGAGGGATTTGATGTCTGCTGAAATGCTCTGCTCATCTTTGTGGTGG 355
Db 555 AGACTGTAGGCCAAAGAGCCCTGCACCTCGATCTCGAATCGGGCCATCATGATCAGTGTC 614
QY 356 TCGTTCTGATCAGAGTTCTGCTGATTTGTTTCTATAAATACAAAGTTTATAAGCTTATTC 415
Db 615 TTGTCTATTATGACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 674
QY 416 ATGGATGGCTTATTTGTCAGCAGTTTCTTCTCTTTTCTCTTCTCTTCTCTTCTCTTCTCT 475
Db 675 AGCCCTGGCTTATTTATTTCTCTTCTGTTGCTGTTCTTTTCTGTTCTTCTTCTTCTTCT 734
QY 476 AAGAAGTCTGAAAGTTTTCGATGTCTCCAGCGCAGCTATTTGTTGTTGTTGTTGTTGTTG 535
Db 735 GGAAGATATTAAAGACCTACAATGTCGCGCTGGACTACGTTACAGTAGCAGCTCTTAATCT 794
QY 536 GTAACTATGGAGTTCTCGGAATGATGTATACATTTGAAAGGTCATTCGCTCTGCAAC 595
Db 795 GGAATTTGGTGTGTCGGGATGATGTCATCCACTGGAAGAGCCCTTGCAGTGCAGC 854
QY 596 AGTTCTACTCTTATTACAATGTCTGCACATAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 655
Db 855 AGGCGTATCTCATATGATCAGTGCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 914
QY 656 AATGAGCTGTGTGTTTCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 715
Db 915 AATGAGCGCATGGCTCATCTTGGCTGTGATTTACAGTATATGATTTGGTGGCTGTTTAT 974
QY 716 CACCAAAAGGACCATTTGAGATATTTGGTGAATGTCACAGAGAGAAACGAGCAATTT 775
Db 975 GTCCCAAAGGCCCACTTCGTATGCTGTTGAAACAGCTCAGAGAAAGAAATGAGACTCTCT 1034
QY 776 TCCCGGCGCTGATTTATTCGCTCGAGTCATCTATCCCTACGTTCTTCTTACTGAGTTG 835
Db 1035 TTCCAGCTCTTATCTATTTCTTCAACATGGTGT---GGTTGGTGAATATGCTGAAGGAG 1091
QY 836 AAAACAGACAGACCCCGTGAACGCGCTGCTCAGACTCAAAATCTTCTACAGCTTTTC 895
Db 1092 ACCCAGAGCCAAAGAGGGGTACCCAGAACCCCAAGTATACACACAAAGACGGAGA 1151
QY 896 CTGAGAGGCGAGTTGTTCTATCT---GAACGCCAAACGCGCAAGTGAACGAAATCTCT 954
Db 1152 GAGAGACAGGACAGTGGTCTCGGAACGATGATGGTGGCTTCACTGAGGAGTGGGAGG 1211
QY 955 CAAAAGTGAATATCGAATGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1014
Db 1212 CCAAAGACAGCTACCTGGGGCTCATCGCTCCA----- 1247

COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/124,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/592,541
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1929 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-09-124-698-3

Query Match 15.6%; Score 233.6; DB 3; Length 1929;
Best Local Similarity 53.6%; Pred. No. 8.6e-50;
Matches 635; Conservative 2; Mismatches 505; Indels 42; Gaps 6;

```
QY 116 AAGAAGACGAAATGTTGTGGAGAGCGGAGCTGAATACGGGAGCATCTCAGGTTATTC 175
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 378 AACAAGATGAGGAGGAGGAGAGCTGCATTTGAATATGAGCCAGCATGTCA 437
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 176 ATCTATTGTGCGGTCTCACTATGATGCTCTGGTTGTTTACAGTGAACAGATTA 235
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 438 TGCCTTTTGGCCCGTGACCTCTGCATGGTCTGCTGGCCACCACCAATCAATCA 497
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 236 CGTTTATAGTCAAAACAAATGGAAGGCAATTTACTATACATCTTTTGTCCGGAAACAG 295
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 498 GCCTTATACCCGGAAGGAGC---GTCAGTATCTACACCCCATTCACAGAGACACTG 554
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 296 ACAGTATCGTTGAGAGGAGTATGATGTCACCTTGGAAATGCTCTGTCATGTTGGGTGG 355
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 555 AGACTGTAGGCCAAAGAGGCGCTGCATCTGATCTGAAATGCGGCCATCATGATCAGTGCA 614
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QY 356 TCCTTCTGATGACAGTCTGCTGATGTTTCTTATAAATACAGTTTATAAGCTTATTC 415
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DB 615 TTGTCATATGACCATCTCCCTGGTGGTCTGTATAAATACAGGTGCTACAAGTCAATCC 674
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QY 416 ATGGATGGCTTATTTGACAGAGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 475
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DB 675 ACGCCGTGGCTATATTTTCTATCTGTTGCTGTTCTTTTCTGTTCTATTTACTTAG 734
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QY 476 AGAAGTCTGAAAGTTTCGATGTCCTCCAGCGCACATATTGGTTTGTGGACTGG 535
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DB 735 GGAAGTATTAAAGACCTACAATGTCCKCGTGACTACGTTACAGTAGACCTCTTAATCT 794
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QY 536 GTAACATATGAGTCTCGAATGATGTATACATTTGGAAGTCCATCGCTGTCAC 595
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DB 795 GGAATGGGTGGTGGGATGATTTGCATCTCCACTGGAAGGCCCTTCGACTGCAGC 854
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QY 596 AGTTCTACCTTATTAACAATGTCTGCACATTAATGGCTCTGTTTCTTATCAAGTACCTAC 655
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DB 855 AGCGTATCTCATATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 914
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QY 656 ATGGACTGTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 715
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DB 915 AATGGACCGCATGGCTCATCTTGGCTGTGATTTCAATATATGATTTGGTGGCTGTTTAT 974
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QY 716 CACCAAGAGCCATTGAGATATTTGGTGGAAATGTCACAGGAGAGAAACGAGCAATTT 775
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DB 975 GTCCAAAGGCCCACTTCGTATGCTGTTGAACAGCTCAGAAAGAAATGAGACTCTCT 1034
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QY 776 TCCCGGCGCTGATTTATTCGTCTGGAGTCATCTATCCCTAGCTTCTTGTGTTACTGAGTTG 835
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DB 1035 TTCAGCTCTTATCTATTCCTCAACAATGGTGT---GGTTGGTGAATATGCTGAAGGAG 1091
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QY 836 AAAACACGACAGAGCCCGCTGAACCGAGCTGCTCAGACTCAAAATCTTCTACACTTTTC 895
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DB 1092 ACCCAGAAGCCCAAGAGGGGTACCCAGAACCCCAAGTATACACAAAGACGGGAGA 1151
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QY 896 CTGGAGAGGGAGTTGTTTCATCT- GAAACGCCAAACGGCCAAAGTGAACAGAAATTCCT 954
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DB 1152 GAGAGACACAGGACAGTGGTCTCTGGAAACGATGATGTTGGCTTCAGTGAGGAGTGGAGG 1211
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QY 955 CAAAAAGTGAATCGAATCGAATCTACAGCTTCACGACACAGACAAACTCTGGAGTAAGG 1014
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DB 1212 CCCAAGAGACAGTCACCTGGGGCTCATCGCTCCA----- 1247
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QY 1015 GTGAACGGGAGCTAGCTGTGAGAGACCAACTGTACAAGAGCGCAATTTTCACAGGCAC 1074
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DB 1248 -----CTCCGAGTCAAGAGCTGTGTCAGGAACCTTCTGGAGCATTTCAACAGTGAA 1303
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QY 1075 GAAGAGGAGAGAGAGGTGTGAACCTTGGTCTGGGCGACTTCAATTTCTCTCTGTTCTC 1134
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1304 GACCCGGAGGAAAGAGGAGTAAACTTGGACTGGGAGATTCATTTTCTACAGTGTCTG 1363
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QY 1135 CTGGCAAGGCTTCATCGTACT-----TTGACTGGAAACAGGACTATCGTTGTTATGTG 1188
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1364 GTTGGTAAAGGCGCTCAGCAACCGCAGTGGAGACTGGAACACACATAGCTGTTCTNCIT 1423
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QY 1189 GCCATTCTTATCGTCTCTCTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1248
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1424 GCCACTATGATCGCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1483
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QY 1249 CCGGCTCT- GCAATTTTCAATTTTCTCGGACTCATTTTCTTCTTCTTCTTCTTCTTCT 1291
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DB 1484 CCAGCCNCCCATCTCCATCACCCTCGGGTTCGTTCTNCIT 1527
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```

RESULT 43

US-09-127-480-3
; Sequence 3, Application US/09127480
; Patent No. 6194153
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMWENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/127,480
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:

[illegible]

```

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1256 1484 CCAGCCNCCCATCTCCATCATCACCCTCGGGTTCGTCTCTNCTT 1527
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Query Match	15.6%;	Score 233.6;	DB 4;	Length 1929;
Best Local Similarity	53.6%;	Pred. No. 8.6e-50;		
Matches 635; Conservative	2;	Mismatches 505;	Indels 42;	Gaps 6;

Qy	116	ARGAAGACGAAATGTTGTGGAAGACGGAGCTGAAATACGAGCATCTCAGCTTTATTC	175
Db	378	AACAGATGAGGAGGAAGACCAAGAGCTGACATTTGAAATATGGAGCAAGCATGTCATCA	437
Qy	176	ATCTATTTTGC CGGTGTCACTATCATGGCTCTGTTGTTTTACGATTGAACACAGTTA	235
Db	438	TGCTCTTTGTC CCGTGACCTCTGCATGGTCTGCTGGGCCACCATCAATCATGTC	497
Qy	236	CGTTTTATAGTCAAAACAATGGAAGGCATTTACTATCATCATCCTTTTGTCCGGGAACAG	295
Db	498	GCTTCTATATACCGGAAGGACG--GTCAGCTAACTACACCCCATTCACAGAAGACACTG	554
Qy	296	ACAGTATCGTTGGAAGGGATTGATGTCACTTGGAAATGCTCTCGCTCATGTTGTGGCTGG	355
Db	555	AGACTGTAGGCCAAGAGCCCTGCACCTCGATCCTGAATGGGCCCATCATGATCATGTGCA	614
Qy	356	TCGFTCTGATCACAGTCTCTGCTGATGTTTTCTATAAATACAGTTTTATAGCTTTATTC	415
Db	615	TTGCAATTATGACCATTCTCTGGTGGTCCCTGTGTTATTAATACAGGTGCTACAGGTCAATCC	674

Db 948 CTGATTTGGTGGCAATTTCTATTGGGATCTTATTGCTGCTCTTCCGCAAGAGGACCCC 1007
Qy 731 TGAGATATTTGGTGGAACTGCACAGGAGAGAACGAGCCAAATTTCCCGCGCGCTGATTT 790
Db 1008 TCCGCATTTCTGGTGGAAACGGCTCAGGAGCGAAATGAGCAAAATCTTCCCGCGCTGATTT 1067
Qy 791 ATTGCTCTGGAGTCATCTA 809
Db 1068 ATTCAATCCACTGTCGTGTTA 1086

RESULT 47

US-08-592-541-165
; Sequence 165, Application US/08592541
; Patent No. 5986054
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 165:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1895 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-592-541-165

Query Match 15.1%; Score 226.2; DB 2; Length 1895;
Best Local Similarity 59.4%; Pred. No. 6.3e-48;
Matches 403; Conservative 0; Mismatches 273; Indels 3; Gaps 1;

Qy 131 TTGTGAAGAGCGGAGCTGAATACGAGCATCTCACGTTATTCATCTATTGTCGCGG 190
Db 411 TGGAGGAAGAGCAGGCGCTGAAATACGGGGCCGAGCATGTGATCAAGTTATTGTCGCGG 470
Qy 191 TGTCACTATGCATGGCTCTGGTGTGTTTACGATGAACAGATTACGTTTATAGTCAAA 250
Db 471 TCTCCCTTTGCGATGCTGGTAGTGGTGCTACCATCACTCCATCACTCTTACA---ACA 527
Qy 251 ACAATGAAGAGCATTTACTATCATCAATCCCTTTGTCGGGAAACAGACATGCTGTGACA 310
Db 528 GCACGAGTCTATCTCTCTACACACCTTTCCATGAACAATCGCCGAGCCTAGTGTTA 587
Qy 311 AGGATGTAGTCACTTGGAAATGCTCTCGTCATGTTGTGCGTGGTGTGCTGATGACAG 370
Db 588 AGTCTGGAGTGCCTTGGCGAACTCCCTGATCTGATGAGCGGTGGTGGTGGTATGACCT 647

Qy 371 TTCTGCTGATTTGTTTCTATAAATACAAAGTTTTTATAAGCTTATTATCATGGATGGCTTATTG 430
Db 648 TTTTGTGCTGATTTGTTTCTATAAAGAGCGTTGCTATCGCATCATTTACGCGTGGCTGATTC 707
Qy 431 TCAGCAGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 490
Db 708 TCTCTCTCTCATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 767
Qy 491 GTTTCGATGTCTCTCCAGGCGCACTATTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 550
Db 768 CCTATAACATACCGATGAGTACCTACTACCTACTACCTACTACCTACTACCTACTACCTACTG 827
Qy 551 TCGAATGATGTGATATACATTTGGAAGGTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 610
Db 828 TCGAATGATGTGATATACATTTGGAAGGTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 887
Qy 611 CAATGCTGCACTAATGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTG 670
Db 888 TCGTGGCAGCCTTGATGGCCTTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 947
Qy 671 TTGCTGCTGTTTGTATCTCGGTTTGGGATCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 730
Db 948 CTGTATTGGCTGCCATTTCTATTGGGATCTTATTGCTGCTTTCGCCAAGAGGACCCC 1007
Qy 731 TGAGATATTTGGTGGAACTGCACAGGAGAGAAACAGGCAATTTTCCCGCGCTGATTT 790
Db 1008 TCGCATTTCTGGTGGAAACGGCTCAGGAGCGAAATGAGCAAAATCTTCCCGCGCTGATTT 1067
Qy 791 ATTGCTCTGGAGTCATCTA 809
Db 1068 ATTCAATCCACTGTCGTGTTA 1086

RESULT 48

US-08-888-077A-20
; Sequence 20, Application US/08888077A
; Patent No. 6020143
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE AND USES THEREFOR.
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK
; STREET: 600 SOUTH AVENUE WEST
; CITY: WESTFIELD
; STATE: NJ
; COUNTRY: USA
; ZIP: 07090-1497
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/888,077A
; FILING DATE: 03-JUL-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/592,541
; FILING DATE: 26-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: PALISI, THOMAS M
; REGISTRATION NUMBER: 36,629
; REFERENCE/DOCKET NUMBER: SCHERING 3.0-017 CIP CIP CIP IV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 654-5000
; TELEFAX: (908) 654-7866
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1895 base pairs

RESULT 49
US-09-124-698-165
; Sequence 165, Application US/09124698
; Patent No. 6117978
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E

Query Match	15.1k;	Score 226.2;	DB 3;	Length 1895;
Best Local Similarity	59.4k;	Pred. No. 6.3e-48;		
Matches 403;	Conservative 0;	Mismatches 273;	Indels 3;	Gaps 1;
QY	131	TTGTGGGAAGCGGAGCTGAATATACGGAGCATCTCAGCTATTTCATCTATTTCGTGCGG	190	
DB	411	TGGAGGAAGACGAGGGCTGAATATACGGGGCCACGATGTGATCAAGTTATTTCGTCCCG	470	
QY	191	TGTCACATATGATGGCTCTGGTCTTTTACGATGAACACGATTACGTTTATAGTCAAA	250	
DB	471	TCTCCCTTTCGATGCTGGTAGTGGTGCTACCATCAACTCCATCAGGCTTCTACA	527	
QY	251	ACAAATGAAGGCATTTACTATCATCATCTTTTGTCCGGAAACAGACAGATCTGTTGAGA	310	
DB	528	GCACGGATGCTATCTCCTCTACACACCTTTCCATGAACAATCGCCGAGCCCTAGTGTA	587	
QY	311	AGGGATGATGTCATCTGGAAATGCTCTCTCATGTTGTGGTGGTTCGTCTCATGACAG	370	
DB	588	AGTCTGGAGTGCTTGGCCAACTCCCTGATCTCTGATGAGCGTGGTGGTGATGACCT	647	
QY	371	TTCTGCTGATGTTTCTCTATAAATACAAAGTTTTTATAGCTTTATCATGGATGCGTTATG	430	
DB	648	TTTTGCTGATGTTTGTGTACAAAGCGTTGCTATCGCATCATTCACGGCTGGCTGATTC	707	
QY	431	TCAGCAGTTTCTCTCTTTCTTCTTCTACTACAATCTATGTGCAAGAAGTTCTGAAAA	490	
DB	708	TCCTCCCTTCATGTTGTTGTTTCATTTTACGTACTTATATTTTGGAGAGCTTCTTCGCG	767	
QY	491	GTTTTCGATGTCCTCCAGCGCACTATGTTGTTTGTGGACTGGGTAACTATGGAGTTC	550	
DB	768	CTTATACATACCGATGGACTACCCCTACTGCACCTACTGATTATGTGGAACCTTTGGAGTG	827	
QY	551	TCGGAATGATGCTATACATTTGAAAGGTCCTATGGCTGTCGAACAGTCTCATCTATTTA	610	
DB	828	TCGGAATGATGCCATCCCATTTGTCAGGAGCCTCTGGCGTTGCAAGAGGATATCTCATTT	887	
QY	611	CAATGTCTGCACATAATGGGCTCTGGTCTTTATCAAGTACCTACCCAGAAATGACGTGTGGT	670	

Db 888 TCGTGGAGCCCTTGATGGCCTTGCTGTTTCATTAATAACCTGCTGAATGGACTCCCTGGG 947
Qy 671 TTGTCGCTTTGTTATCTCGGTTTGGGATCTGGTGCCTCACACCAAAAGGACCAT 730
Db 948 CTGTATTGGCTGCCATTTCTATTGCGATCTTATTGCTGCTTTCGCGCAAGAGACCCC 1007
Qy 731 TGACATATTTGGTGGAACTGCACAGGAGAAACAGGCCAATTTCCCGCGCTGATTT 790
Db 1008 TCCGATTTCTGGTGGAAACGGCTCAGGAGCGAAATGAGCAATCTTCCCGCTCTGATTT 1067
Qy 791 ATTCTCTGGAGTCATCTA 809
Db 1068 ATTATCCACTGTCGTTTA 1086

RESULT 50

US-09-127-480-165
; Sequence 165, Application US/09127480
; Patent No. 6194153
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESS: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/127,480
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 165:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1895 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-127-480-165

Query Match 15.1%; Score 226.2; DB 4; Length 1895;
Best Local Similarity 59.4%; Pred. No. 6.3e-48;
Matches 403; Conservative 0; Mismatches 273; Indels 3; Gaps 1;

Qy 131 TTGTGAGAGAGCGGAGCTGAATACGGAGCATCTCACGTTATTTCATCTATTGTCCTGG 190
Db 411 TGGAGAGAGAGCGGCGCTGAATACGGGCGCCAGCATGTGATCAAGTTATTTCGCTCCG 470
Qy 191 TGTCACTATGCAATGCTGTTGTTTACGATGAACACAGGATTACGTTTATAGTCAAA 250
Db 471 TCTCCCTTTGCAATGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 527
Qy 251 ACAATGGAGGCGATTACTATACATCTTTTGTCCGGGAACAGACAGATATCGTTGAGA 310

Db 528 GCACGGATGTCTATCTCTCTACACACCTTTCCCATGAACATCGCCGAGCCTAGTGTTA 587
Qy 311 AGGATTTGATGCTCACTTGGAAATGCTCTCGTCATGTTGTGCTGGTGGTCTGATGACAG 370
Db 588 AGTTCTGGAGTGCCTTGGCGAACTCCCTGATGAGCGTGTGTGTTGATGACCT 647
Qy 371 TTCTGCTGATTTGTTTCTATAAATACAAGTTTTTAAAGCTTATTATCATGGATGGCTATTG 430
Db 648 TTTTGTCTGATTTGTTTGTACAGAGCGTTCCTATCGCATCATTCACGGCTGGCTGATTC 707
Qy 431 TCACAGATTTTCTTCTTTTCTTATTCATCACTACAATCTATGTGCAAGAACTTCTGAAA 490
Db 708 TCTCTCTCTCATGTTGTTGTTTCTTATTCAGTACTTATATTGGAAGAGCTTCTTCGG 767
Qy 491 GTTTCGATGTCTCCCGAGCGCATATGTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 550
Db 768 CCTATAACATACCGATGGACTACCTACTGCACTACTGATTAATGTGGAACCTTTGGAGTGG 827
Qy 551 TCGGAATGATGTGTATACATTGGAAGTCCATTGCGTCTGCAACAGTTCTTACCTTATTA 610
Db 828 TCGGAATGATGTCCATCCATTGGCAGGACCTCTGCGTTGACAGCAAGGATATCTCATTT 887
Qy 611 CAATGCTGCACATAAGCTCTGCTCTTATCAAGTACCTACCAAGATGAGCTGTGTTGTT 670
Db 888 TCGTGGCAGCCTTTCATGCTGTTGTTTCAATAATACCTGCTGCTGATGAGCTGCTGGG 947
Qy 671 TTGTGCTGTTGTTATCTCGTTTGGGATCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 730
Db 948 CTGATTTGGCTGCTCATTTCTATTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1007
Qy 731 TGAGATATTTGGTGGAACTGCACAGGAGAGAAACAGCAATTTTCCCGCGCTGATTT 790
Db 1008 TCCGATTTCTGGTGGAAACGGCTCAGGAGCGAAATGAGCAATCTTCCCGCTCTGATTT 1067
Qy 791 ATTCTCTGGAGTCATCTA 809
Db 1068 ATTATCCACTGTCGTTTA 1086

Search completed: July 15, 2003, 06:23:52
Job time : 92 secs

